Invasive Alien Plants
in South Korea

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Korea National Arboretum

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책임운영기관
국립수목원
Korea National Arboretum

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Foreword

For many years, we have maintained a tradition of racial homogeneity. However, Korea has now entered a multicultural society. This does not only involve matters between people. After opening a port, plants with different origins have naturalized in this land. The number of plants introduced in such way reaches over 400 species. This accounts for 10% of over 4,100 species of Korean native plants. Similarly, today, even in flora society, various nationalities and origins are recognized. Nevertheless, in reality, we have denied or disregarded the existence of multinational plants introduced in this land. Negative attention to certain species, such as Sicyos angulatus, etc., whose harmfulness is emphasized, has made all of the other introduced species objects to be removed.

Now, it is time to better understand and take care of them who end up living with our native plants with attention. Korea National Arboretum, as part of its effort, has compiled a book, titled "Invasive Alien Plants in South Korea." Facing the reality where even the names of plants with different origins are still confusing, we have proposed the standards and standardized concepts. In addition, we classified the list of invasive alien plants in Korea into 320 species that have been accumulated due to application of the term, invasive alien plants, without scientific discussion; and intend to help readers understand by providing descriptions and photo data for each plant. Besides, total 427 taxa are thoroughly organized by additionally classifying previously naturalized plants that have been localized and potentially invasive plants with a high probability of invasion into the ecosystem in Korea, etc.

Until obtaining such results, the researchers at the Korea National Arboretum have observed and analyzed invasive alien plants for long

periods of time. They also produced important outcomes, such as "Field guide naturalized plants of Korea," published in 2012; "How to easily distinguish naturalized plants" produced in 2014; and "Invasive Alien Plant Impact on Forest," published in 2015, etc. We hope that our newly released book be a good guidance for proper understanding of invasive alien plants distributed in Korea as its name suggests. Furthermore, we sincerely hope that this book encourage you to become interested in our native plants that are similar to such invasive alien plants. Above all, we expect that this book will contribute to our attitudes towards all living things that are living away from their home, and therefore, blind criticism against them will gradually fade away.

Without the researchers at the Korea National Arboretum, who have sustained the existence of invasive alien plants with continued interest in them, this book could not have been possible. We deeply appreciate their hard work and are pleased to have this book compiled with their sweat. It would be worthwhile to us if you get to meet invasive alien plants and understand them using this book as a guide.

YOU MI LEE
Director General
Korea National Arboretum

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Introduction

Ⅰ. Glossary related to invasive alien plants

The terms, such as invasive alien species and invasive species, etc., might be strange to us as they have not been used in Korea or used in different meanings. This term is widely used internationally today, and being used in mass media, conference and administration, etc. With regard to the period of use, the terms have become firmly recognized since the publication of "Invasive Ecology" by Elton (1958).

Despite the differences in expressing invasive alien species, the concepts can be deemed similar; there are instances where they are reinterpreted as applicable meanings by reflecting the local ecosystem environment and conditions (Table 1).

Table 1. Definition of Invasive Alien Species

Country and Organization	Definition
U.S. National Invasive Species Council (NISC)	Non-indigenous species of the ecosystem that cause or may cause economic or environmental harm or inflict injury to humans or human health
United Nations Environment Program (UNEP)	Living organisms introduced intentionally or unintentionally from outside that threaten the biological diversity, ecosystem, habitat and human welfare of a new habitat
European Union (EU)	Alien species that threaten or adversely affect the ecosystem service connected to biological diversity while being introduced and spread
Canada Food Inspection Agency (CFIA)	Harmful non-native species that threaten environment, economy and society, including human health.
Japan	Alien species that adversely affect human safety or agriculture, forestry and fisheries

Some researchers (Richardson et al., 2000) state that alien species are those that overcome various biological and environmental stress after being introduced; and subsequently have spread or become naturalized in natural habitat (Figure 1).

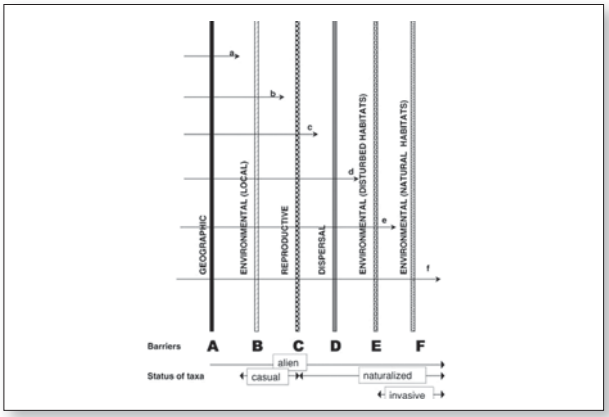


Figure 1. A schematic representation of invasive alien plants by Richardson et al. (2000).

With regard to terms related to alien species in Korea requiring management, the Ministry of Environment (2014) is managing alien species by organizing related terms, such as alien species, and ecosystem disturbing species, etc. In addition, starting from the "Natural Environment Conservation Act (1998)," the Ministry has prepared the grounds for the management of alien species in the "Act on the Conservation and Utilization of Biological Diversity (2013)." Most of the key terms related to alien species are those based on ecological effects as shown in Table 2.

Table 2. Terms of alien species by Ministry of Environment

Terms		Definition	Species
1	Alien species	Species that are introduced intentionally or unintentionally from foreign countries and exist away from their place of origin or habitat	Alien
2	Ecosystem disturbing species	Alien species that disturb or potentially disturb the ecosystem balance	Alien
		Non-alien species that disturb or potentially disturb the ecosystem balance in specific areas	Non-alien
		Genetically modified organisms that are produced through genetic modification and that disturb or potentially disturb the ecosystem balance	Genetically modified organism (GMO)
3	Potential Risk Species	Species designated/notified by the Minister of Environment as those that potentially harm ecosystems, etc. when introduced in Korea	Alien
4	Ecological risk alien species	Alien species designated as ecosystem disturbing species due to their high negative impact on the ecosystem in Korea as well as future negative impact and that need to be controlled/eradicated by establishing management plans	Alien
5	Potential ecological risk species	Alien species designated as ecosystem disturbing species due to their high negative impact on the ecosystem in Korea as well as future negative impact and that need to be constantly watched and forecasted and monitored for their risk	Alien

6	Ecologically safe alien species	Alien species that have no negative impact on the ecosystem in Korea or records of negative impact so far	Alien
7	Alien species pending ecological risk assessment	Alien species pending risk assessment due to the lack of information on whether the applicable plants are considered as alien plants in Korea and on negative impact on the ecosystem in Korea; whose risk level should be reasonably determined by conducting related research/assessment in the future	Alien

In addition, naturalized species are subdivided by classifying terms according to introduction time, introduction mode and naturalization as shown in Table 3.

Table 3. Terms of naturalized species (김종원, 2013)

Species	Classification		Definition
Naturalized species Anthrophochore Hemerochore Anthropophyten Adventive species Alien species Exotic species	Introduction time		
	Archaeophyten		Before the Enlightenment period(prior to 1890s)
	Neophyten		After the Enlightenment period (after 1890s)
	Introduction mode		
	Akolutophyten		Where species invade and grow wild after voluntarily moving without direct human interference
	Kenophyten		Species unintentionally introduced by direct human interference
	Ergasiophygophyten		Where species intentionally introduced by direct human interference grow and are distributed after escaping into the wildness.
	Naturalization		
	Permanent naturalization	Agriopyten	Holds a specific habitat position in the primary vegetation.
		Epecophyten	Holds a specific habitat position in the secondary vegetation by natural disturbance or human interference.
	Temporary naturalization	Ephemerophyten	Where species are observed as wild species and do not hold a specific habitat position in the vegetation, but maintain their position on their own.
		Ergasiophyten	Where species are observed as somewhat wild species, but do not hold a specific habitat position in the vegetation and cannot maintain their position on their own.

The same species may add to the confusion depending on the terms used, as such terms are used in various ways depending on the current organizations and researchers. Accordingly, 6 major terms are proposed by partly supplementing and standardizing plant-related terms (Table 4).

Table 4. New terms of Alien Plants by Korea Forest Service

Classification	Descriptions	
Invasive Alien Plant (IAP)	〈New〉 Alien plants that were intentionally or unintentionally introduced into Korea and have grown wild	
Naturalized Plant	〈Existing〉 Plants that did not die out in natural ecosystems and have been naturalized on their own, coexisting with others in their own way, after being introduced artificially or naturally	〈New〉 Invasive alien species that adapt to natural ecosystems; continuously form population; and grow in harmony with native species through growth, reproduction and propagation for 10 years or more.
Casual Alien Plant	〈New〉 Invasive alien plants in the early stage of preparing naturalization that are unstable in terms of generation exchange and naturalization, before being converted to naturalized plants	
Potentially Invasive Plant	〈New〉 Current invasive alien plants that are excluded due to uncertainty of growth and physical confirmation or those with high probability of spreading into natural ecosystems as cultivar	
Concerned Alien Plant	〈New〉 Species with high probability of spreading into natural ecosystems despite being introduced intentionally and cultivated	
Uncertain Plant	〈New〉 Species whose distribution or actual taxa is currently ambiguous, despite being previously designated as invasive alien plants	
Archaeophyte	〈Existing〉 Localized alien plants that are presumed to have been introduced intentionally or unintentionally into Korea before the opening of ports (1876) but whose specific introduction time and route is difficult to identify	

For the newly proposed terms, species are classified by their naturalization in order to systematically manage alien plants to be introduced into Korea, which enables selection and focus for more effective management in the future. This has allowed us to organize the list of invasive alien plants that have been researched so far.

II. Systematization of the List of Invasive Alien Plants

The existing lists of alien plants or naturalized plants have been used as they are accumulated without filtering. Currently, modifications have emerged as some of the species included in the list of naturalized plants or alien plants decline and their distribution cannot be identified; or the positions of species change due to taxonomic treatment, etc. However, such modifications have not sufficiently been reflected in reality. Accordingly, a synchronized and systemized list has been proposed in order to effectively manage invasive alien plants. This list requires constant synchronization and a new position assessment on a 5-year or 10-year basis. According to the list of alien plants reported in North Korea (Pak et al., 2009), cultivar accounts for a high percentage; the list is merely referenced for certain species as there are many differences from the circumstances of Korea in terms of interests, but deemed to require further in-depth study.

Native plants distributed in Korea are still deemed to require constant review. For instance, Lee (1980) recorded that *Apocynum cannabinum* L. in Apocynaceae was first collected in Hangang River, Yeouido in 1976. However, as the collected sample was a misidentified *Cynanchum amplexicaule* (Siebold & Zucc.) Hemsl.; there have been controversy over the actual species. Nevertheless, some of the species that may be called *Apocynum cannabinum* L. are currently identified to be distributed in Busan area (Figure 2). According to the foreign references, the distribution area of *Apocynum cannabinum* L. is limited to North America. Given that no distribution is identified in countries adjacent to Korea, *Apocynum cannabinum* L. is presumed to have been introduced through a certain route.

Figure 2. *Apocynum cannabinum* L. (Busan)

Knorringia sibirica (Laxm.) S.P. Hong in Polygonaceae was first identified on the Coast of Baengnyeongdo Island and reported, which adds weight to the probability of distribution in Korea (Figure 3). On the other hand, *Knorringia sibirica* (Laxm.) S.P. Hong is known to be distributed in Eastern China, Mongolia and Russia (Siberia); but, in Korea, it is only locally distributed on the Coast of Baengnyeongdo Island. Thus, it can also be presumed to have been introduced through ocean currents. As its background, considering many cases where marine garbage generated from China floats along with currents into Baengnyeongdo Island up until now, the possibility of introduction should be opened up. As previously mentioned, there are many cases of insufficient grounds for criteria to classify native or alien plants, and further study on that issue is deemed necessary.

Figure 3. *Knorringia sibirica* (Laxm.) S.P. Hong (Baengnyeongdo)

For those species that are recorded as alien plants or naturalized plants [such as *Canna* × *generalis* L. H. Bailey & E. Z. Bailey, *Quamoclit pennata* (Desr.) Bojer, *Agave americana* L., *Yucca filamentosa* L. etc.] in some of the existing references and that need to be reviewed, their position have been constantly assessed; and a systematic review is required for the overall alien plants introduced in Korea.

Invasive alien plants that were accumulated until 2016 are 427 taxa in total; among them, those that were introduced intentionally or unintentionally into Korea and grew wild are invasive alien plants and organized into 46 families, 181 genera and 320 taxa (Table 5). There are significant numbers of omitted species due to the lack of supporting materials, but the number of species is expected to increase depending on supplementing materials in the future. Some of the species excluded from invasive alien plants were catalogued as potentially invasive plants or native plants.

Table 5. A systematic review of alien plants (grow without cultivation) in South Korea

Total	Taxonomically treated species	Native Plants		Potentially Invasive Plants		Invasive Alien Plants	
		Archaeophyte	Indigenous Species	Concerned Alien Plants	Uncertain Plants	Casual Alien Plants	Naturalized Plants
427	20	19	3	25	40	70	250

*The number of taxa of Archaeophyte and Concerned Alien Plants widely vary depending on the references or site survey.

① Invasive Alien Plants

With regard to the naturalized plants in the process of growth and propagation for over 10 years, 250 taxa are currently identified in total. As an example, sheep('s) sorrels that were introduced prior to 1949 have currently spread, naturalized and grown over the country; and *Silene gallica* L., introduced prior to 1996 are only distributed locally but steadily growing and spreading to the surrounding areas, showing a large-scale occurrence. Besides, Casual Alien Plants that exist in a wild state, but whose naturalization is uncertain, include the recently introduced

Euphorbia dentate Michx. (2009); *Alliaria petiolata* (M. Bieb.) (2012); *Chaerophyllum tainturieri* Hook. (2012); and *Holosteum umbellatum* L. (2014), etc.; and they have continuously been monitored.

A close look at the major characteristics of invasive alien plants reveals that in terms of species composition, 2 families, 75 taxa of Graminae; 63 taxa of Compositae, account for a high percentage overall (Figure 4); followed by Leguminosae, Cruciferae and Caryophyllaceae. Among them, those appearing in forest are 186 taxa in total, accounting for 58.1%, which is a high percentage.

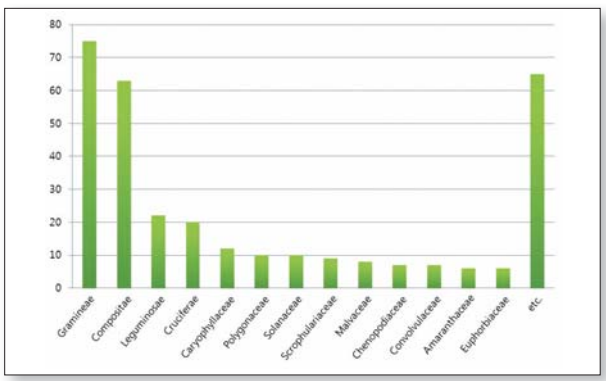


Figure 4. The species composition of Invasive Alien Plants

When invasive alien plants are classified according to introduction characteristics, mostly unintentionally introduced species account for 239 taxa in total, followed by those introduced for gardening and for grass purposes. (Figure 5) Despite recent efforts to block invasive species before quarantine and introduction, continuous introduction is expected to occur in such a rapidly advancing age.

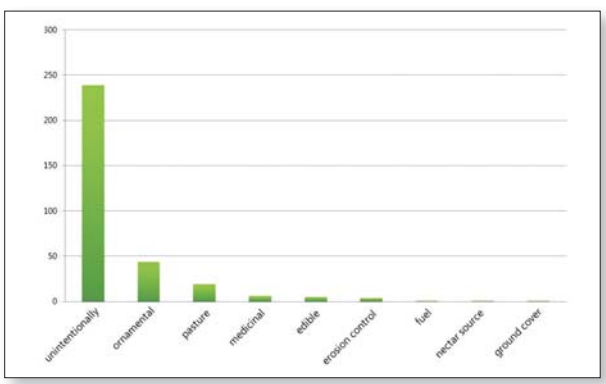


Figure 5. Classification by introduction characteristics of Invasive Alien Plants

With regard to life-form, mostly annual and perennial plants account for a high percentage; and woody plants appear as a somewhat lower percentage than herbaceous plants (Figure 6).

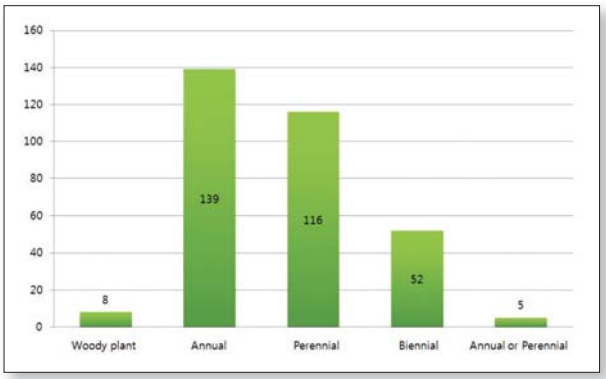


Figure 6. Classification by life-form of Invasive Alien Plants

With regard to classification by the shape of fruits, achene, capsule and caryopsis plants account for a major part of invasive alien plants (Figure 7). Due to insufficient progress of studies on the mechanism of seed dispersal, further studies are called for on the significance of dispersal according to the shape of fruits in the future.

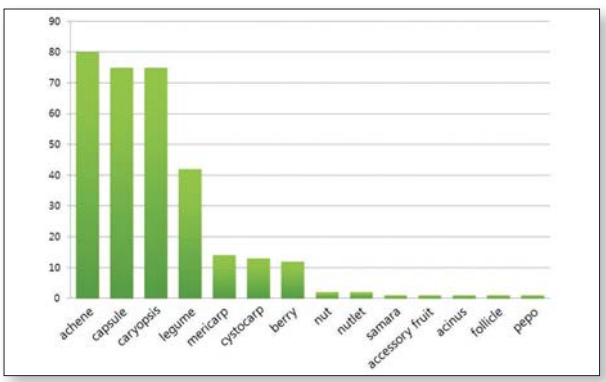


Figure 7. Classification by fruits of Invasive Alien Plants

Regarding the introduction status of plants by place of origin, the largest number of plants is originated from America (such as North America, South America and tropical America, etc.), followed by plants spread from the old continent, such as Eurasia, Eurasia and Africa, and Europe, etc. (Figure 8). As the introduction and growth of tropical plants are gradually becoming possible, it is expected that the possibility of naturalization of alien plants is getting higher due to climate change.

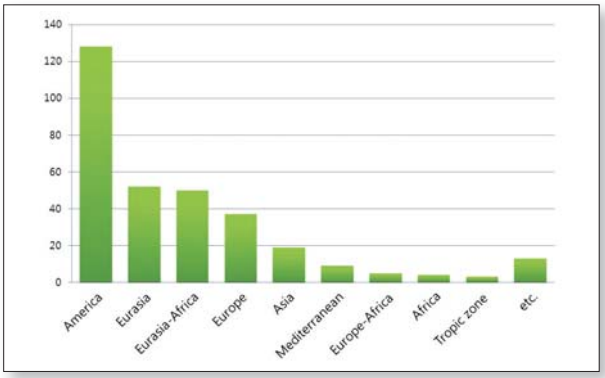


Figure 8. Classification by origin of Invasive Alien Plants

A look at the distribution status of invasive alien plants reveals that the largest number of species is identified in Jeju areas from all over the country (Figure 9); followed by Gyeonggi, Jeonnam, Inchoen, and Seoul. Most of these areas feature an area of initial introduction, such as large-scale tourist sites, densely populated areas, or airports and ports, etc.

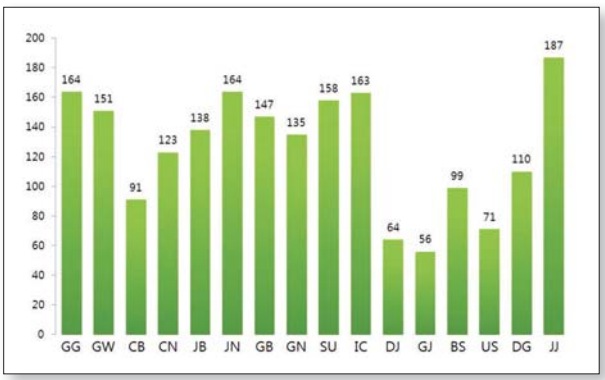


Figure 9. The distribution status of Invasive Alien Plants

*GG: Gyeonggi, GW: Gangwon, CB: Chungbuk, CN: Chungnam, JB: Jeonbuk, JN: Jeonnam, GB: Gyeongbuk, GN: Gyeongnam, SU: Seoul, IC: Incheon, GJ: Gwangju, BS: Busan, US: Ulsan, DG: Daegu, JJ: Jeju

Based on the distribution information of invasive alien plants, the degree of spread in Korea are established by taxa (Table 6), which was mostly conducted based on sample data. By further supplementing distribution information through local survey, the degrees are classified from Degree Ⅰ to Degree Ⅴ overall. As a result of collecting distribution information from 164 places in total (excluding Sejong-si;

the absence of sample data due to being newly founded as a city), widely distributed plants with Degree Ⅴ are distributed in 100 places, accounting for 231 taxa, a high percentage (72.2%); and most of them appear to be distributed nationwide.

Table 6. Classification of Invasive Alien Plants in South Korea

Degree of spread	Classification	Number of place	Taxa	Rate (%)
Ⅴ (WS)	Widespread	〉100	231	72.2
Ⅳ (SS)	Serious Spread	75–100	38	11.9
Ⅲ (CS)	Concerned Spread	50–74	18	5.6
Ⅱ (MS)	Minor Spread	25–49	15	4.7
Ⅰ (PS)	Potential Spread	〈25	18	5.6

② Native Plants

3 taxa that were previously recognized as naturalized plants have been treated as native plants on the basis of the areas in the world based on domestic and overseas references (Table 7). Most of them are widely distributed in East Asia and old continents with insufficient supporting materials to determine introduction route or whether they are alien plants; which is deemed the case where their places of origin were previously recorded mistakenly.

Table 7. List of native plants (previously recognized as naturalized plants)

	Family name	Scientific name	Life-form	Area
1	Polygonaceae	*Fallopia dentatoalata* (F.Schmidt) Holub	Annual	East Asia
2	Polygonaceae	*Fallopia dumetorum* (L.) Holub	Annual	East Asia–Europe (worldwide)
3	Rosaceae	*Potentilla supina* var. *ternata* Peterm.	Perennial	Far East Asia

③ Archaeophyte

Archaeophyte were introduced prior to the opening of ports (1876) and localized in Korea; due to insufficient supporting materials on the introduction time, their origin cannot be certain except speculation. Besides, the lists of all plants in Korea need to be reviewed, and as a result, it seems to pave the way to advance plant origin studies. As an example for some of Archaeophytes, a *Ginkgo biloba* L. is presumed to have been introduced in Korea along with Buddhism and Confucianism when they were propagated before the Three Kingdom Period. With regard to the first record on willows, although there is a story where willows were planted in the 35th year of the King Mu of Baekje (634) according to Samguk Sagi (Chronicles of the Three Kingdoms), the types of the willows are not certain, and in some data,

Salix babylonica L. is presumed to have been introduced in Korea during the Unified Silla period. *Cannabis sativa* L. is recorded in Samguk Sagi, and presumed to have been introduced in the same period when the Korean race migrated to the Korean peninsula. Although the records on the introduction of *Fagopyrum esculentum* Moench is uncertain, those recorded in Hyang-yack-gu-gup-bang (The Remedies for First Aid by Korean drugs) in the Koryo, Gojong Dynasty (1236) are said to be the first records.

Table 8. List of Archaeophyte

	Family name	Scientific name	Life-form	Origin
1	Ginkgoaceae	*Ginkgo biloba* L.	Tree	Asia(China)
2	Salicaceae	*Salix babylonica* L.	Tree	Asia(China)
3	Cannabaceae	*Cannabis sativa* L.	Annual	Asia
4	Polygonaceae	*Fagopyrum esculentum* Moench	Annual	Asia
5	Phytolaccaceae	*Phytolacca esculenta* Van Houtte	Perennial	Asia(China)
6	Amaranthaceae	*Amaranthus blitum* L.	Annual	Europe
7	Saururaceae	*Houttuynia cordata* Thunb.	Perennial	Asia(China)
8	Cruciferae	*Brassica juncea* (L.) Czern.	Biennial	Asia(China)
9	Cruciferae	*Brassica napus* L.	Biennial	Europe
10	Cruciferae	*Thlaspi arvense* L.	Biennial	Europe
11	Simaroubaceae	*Ailanthus altissima* (Mill.) Swingle	Tree	Asia(China)
12	Meliaceae	*Melia azedarach* L.	Tree	Southwest Asia
13	Meliaceae	*Toona sinensis* (Juss.) M.Roem.	Tree	Asia
14	Malvaceae	*Abutilon theophrasti* Medik.	Annual	Asia(India)
15	Sterculiaceae	*Firmiana simplex* (L.) W.Wight	Tree	Asia
16	Solanaceae	*Lycium chinense* Mill.	Tree	Asia
17	Compositae	*Eclipta prostrata* (L.) L.	Annual	Asia
18	Compositae	*Xanthium strumarium* L.	Annual	Asia
19	Cyperaceae	*Cyperus exaltatus* Retz.	Perennial	Tropical Asia

④ Others

Besides the above-mentioned, some of them that were previously reported as naturalized plants are excluded from invasive alien plants based on the recent taxonomic view (Table 9). Also, among those plants introduced through continuous cultivation or distribution, those that currently appear or are highly likely to appear in natural vegetation away from the controlled area, are classified as Concerned Alien Plants; for instance, *Cercidiphyllum japonicum* Siebold & Zucc., *Platanus occidentalis* L., *Ilex serrata* Thunb., *Acer buergerianum* Miq., etc. are

in the process of growing wild and being constantly monitored. In addition, those that used to be invasive alien plants but whose distribution is currently uncertain or whose actual species are ambiguous are planned to be managed separately by preparing a list.

Table 9. List of invasive alien plants by the recent taxonomic view

	Family name	Scientific name	Note
1	Caryophyllaceae	*Silene gallica* f. *quinquevulnera* (L.) W.D.J.Koch	Synonym of *Silene gallica* L.
2	Cruciferae	*Sinapis arvensis* var. *orientalis* (L.) W.D.J.Koch & Ziz	Synonym of *Sinapis arvensis* L.
3	Cruciferae	*Sisymbrium officinale* var. *leiocarpum* DC.	Synonym of *Sisymbrium officinale* (L.) Scop.
4	Rubiaceae	*Diodia teres* var. *hirsutior* Fernald & Griscom	Synonym of *Diodella teres* (Walter) Small
5	Convolvulaceae	*Ipomoea hederacea* Jacq.	Synonym of *Ipomoea nil* (L.) Roth
6	Convolvulaceae	*Ipomoea hederacea* var. *integriuscula* A.Gray	Synonym of *Ipomoea nil* (L.) Roth
7	Solanaceae	*Datura stramonium* var. *chalybea* Koch.	Synonym of *Datura stramonium* L.
8	Solanaceae	*Solanum photeinocarpum* Nakam. & Odash.	Synonym of *Solanum americanum* Mill.
9	Compositae	*Ambrosia trifida* f. *integrifolia* (Muhl. ex Willd.) Fernald	Synonym of *Ambrosia trifida* L.
10	Compositae	*Bidens pilosa* var. *minor* (Blume) Sherff	Synonym of *Bidens pilosa* L.
11	Compositae	*Carduus crispus* f. *albus* (Makino) Hara	Synonym of *Carduus crispus* L.
12	Compositae	*Conyza parva* Cronquist	Synonym of *Conyza canadensis* (L.) Cronquist
13	Compositae	*Eclipta alba* var. *erecta* (L.) Miq.	Synonym of *Eclipta prostrata* (L.) L.
14	Gramineae	*Bromus tectorum* var. *glabratus* Spenn.	Synonym of *Bromus tectorum* L.
15	Gramineae	*Elymus repens* var. *aristatus* (Schreb. ex Baumg.) Melderis & D.C. McClint.	Synonym of *Elymus repens* (L.) Gould
16	Gramineae	*Lolium multiflorum* var. *ramosum* Guss. ex Arcang.	Synonym of *Lolium multiflorum* Lam.
17	Gramineae	*Paspalum distichum* var. *indutum* Shinners	Synonym of *Paspalum distichum* L.
18	Gramineae	*Sorghum halepense* f. *muticum* (Hack.) C.E.Hubb.	Synonym of *Sorghum halepense* (L.) Pers.

Ⅲ. Impacts of Invasive Alien Plants

Impacts of alien plants on ecosystems are still open to dispute. Questions whether alien plants can be deemed harmful can also be seen as the reasons that the foundational studies have not yet been supported, such as ecology and physiology, etc. For instance, in the case of *Sicyos angulatus* appearing in Korea, its major appearing areas are not natural vegetation but rather can be seen as a place with current or past human interference, a battleground like space, where alien plants as well as native plants in the area are introduced together and compete each other. In such places, it is hasty to conclude that there is a direct risk merely based on the superior growth leading to encroachment on habitat or suppressed; further interest

and studies are called for on such plants. In addition, plants are in the position of primary producers in the food chain, where their risks do not appear significantly. Most of the alien species in question that currently appear through mass media are animals, such as fish, reptiles and amphibians, etc., which are the primary, secondary and third consumers; rather than such alien species, it is reasonable to regard that humans, which can be seen as the reason for the introduction, are in the highest risk position. In this respect, the higher the position is in the food chain, the greater the ripple effect of ecological impacts will be; compared to this, plants are insignificant.

With regard to the introduction routes of invasive plants, most of them have been introduced and spread in Korea unintentionally, rather than intentionally (for ornamental purposes, for human consumption, for medicinal purposes and for grass, etc.). However, it can be deemed that those introduced intentionally are proven to have a higher probability to adapt to the environment in Korea. There are cases where, through an opportunity to avoid and escape resulting from the above, those plants quickly adapt to the wild and are further reproduced and spread; and such cases are currently identified in national and private plant conservation organizations (arboretums and botanic gardens).

Some researchers deem that removing invasive alien species that already exist in natural condition will provide positive impact on ecosystems. However, the alien species that have already invaded are interacting while holding their own position in ecosystems with their high ability to spread; as each of the species causes circulation in ecosystems according to its role. Therefore, a recent view is that in the event of another change in circulation in ecosystems due to the artificial removal of alien species, etc., the potential secondary damage cannot be ruled out. In addition, for those alien species that cause long term growth and spread after invasion, studies are necessary to consider their various details. Furthermore, in light of those discussions arguing that complete elimination is nearly impossible, studies for positive aspects are called for, such as coexistence with plants, etc.; and conservation plans need to be prepared for indigenous species or rare species and critically endangered species.

As a result, we should realize that we are not in a stage where ecological impact by invasive alien species can be clearly expressed, but a stage urgently requiring ecological understanding of interaction as part of ecosystems; and need to understand invasive alien species through researches and studies (Didham et al., 2007).

Format

1. There are currently 10,259 invasive alien species that are introduced intentionally or unintentionally in Korea; they are registered in 'The Korean Plants Names Index'. It is estimated that more than 20,000 species have been introduced in Korea including unregistered species. The alien plants that are not in the control of people and show invasiveness are called invasive alien plants; they are classified in 320 species. The image data, distribution, characteristics, degree of spread, etc. are contained.

2. In order to help to understand the fundamentals of invasive alien plants, the standardized contents on the related terms are mentioned briefly in the preface; the sources were introduced on the reference.

3. Besides invasive alien plants, concerned alien plants, the list of uncertain species are attached so that they can be the bases of the targets for the management and information sharing on the uncertain species pursuant to the potentially invasive species or taxonomic view.

4. The entire classification system list was created pursuant to Engler system. The genera were generally arranged in the alphabet order of the scientific names. The scientific names are recorded in the basis of Korean Plants Names Index, and they are complemented and revised; the latest research results are reflected.

5. The distribution map was marked by city and county unit based on the site survey, reference and sample data. The distribution explanation was recorded briefly by the unit of local government such as province etc.

6. The dispersion grade was established on the basis of the number of distribution area by city and county unit; the dispersion reliability was increased by the grading that is based on mostly the samples.

1. *Persicaria capitata* (Buch.–Ham. ex D. Don) H. Gross
2. *Pterocarya stenoptera* C. DC.
3. *Rumex crispus* L.
4. *Fallopia convolvulus* (L.) A.Love
5. *Rumex dentatus* L.
6. *Persicaria orientalis* (L.) Spach
7. *Rumex obtusifolius* L.
8. *Phytolacca americana* L.
9. *Cerastium glomeratum* Thuill.

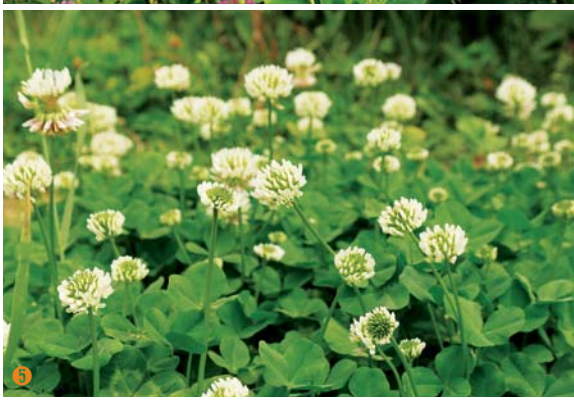
1. *Rumex acetosella* L.
2. *Saponaria officinalis* L.
3. *Silene latifolia* subsp. *alba* (Mill.) Greuter & Burdet
4. *Silene antirrhina* L.
5 *Silene armeria* L.
6. *Silene gallica* L.
7. *Spergula arvensis* L.
8. *Atriplex prostrata* Boucher ex DC.
9. *Dysphania ambrosioides* (L.) Mosyakin & Clements
10. *Chenopodium ficifolium* Sm.

1. *Chenopodium glaucum* L.
2. *Amaranthus hybridus* L.
3. *Amaranthus palmeri* S.Watson
4. *Amaranthus patulus* Bertol.
5. *Amaranthus viridis* L.
6. *Amaranthus spinosus* L.
7. *Papaver rhoeas* L.
8. *Fumaria officinalis* L.
9. *Papaver dubium* L.
10. *Celosia argentea* L.

1. *Alliaria petiolata* (M. Bieb.) Cavara & Grande
2. *Chorispora tenella* (Pall.) DC.
3. *Barbarea vulgaris* R. Br.
4. *Lepidium draba* L.
5. *Cakile edentula* (Bigelow) Hook.
6. *Camelina microcarpa* Andrz. ex DC.
7. *Lepidium didymum* L.
8. *Diplotaxis muralis* (L.) DC.

1. *Nasturtium officinale* R. Br.
2. *Lepidium campestre* (L.) W. T. Aiton
3. *Lepidium latifolium* L.
4. *Sisymbrium orientale* L.
5. *Sisymbrium officinale* (L.) Scop.
6. *Potentilla supina* L.
7. *Rubus fruticosus* L.
8. *Lespedeza lichiyuniae* T. Nemoto, H. Ohashi & T. Itoh
9. *Amorpha fruticosa* L.

1. *Medicago lupulina* L.
2. *Medicago minima* (L.) L.
3. *Lotus corniculatus* L.
4. *Medicago polymorpha* L.
5. *Medicago sativa* L.
6. *Melilotus albus* Medik.
7. *Melilotus suaveolens* Ledeb.
8. *Robinia pseudoacacia* L.
9. *Trifolium campestre* Schreb.



1. *Trifolium pratense* L.
2. *Trifolium dubium* Sibth.
3. *Trifolium hybridum* L.
4. *Trifolium incarnatum* L.
5. *Trifolium repens* L.
6. *Vicia villosa* Roth
7. *Vicia villosa* subsp. *varia* (Host) Corb.
8. *Oxalis articulata* Savigny
9. *Oxalis debilis* var. *corymbosa* (DC.) Lourteig

1. *Geranium carolinianum* L.
2. *Geranium dissectum* L.
3. *Euphorbia heterophylla* L.
4. *Euphorbia supina* Raf.
5. *Euphorbia maculata* L.
6. *Ailanthus altissima* (Mill.) Swingle
7. *Malva neglecta* Wallr.
8. *Malva parviflora* L.
9. *Malva pusilla* Sm.

1. *Modiola caroliniana* (L.) G. Don
2. *Sida rhombifolia* L.
3. *Sida spinosa* L.
4. *Viola papilionacea* Pursh
5. *Oenothera biennis* L.
6. *Sicyos angulatus* L.
7. *Oenothera* × *erythrosepala* Borbas
8. *Oenothera stricta* Ledeb. ex Link

1. *Oenothera laciniata* Hill
2. *Anthriscus caucalis* M. Bieb.
3. *Cyclospermum leptophyllum* (Pers.) Sprague ex Britton & P. Wilso
4. *Chaerophyllum tainturieri* Hook.
5. *Sherardia arvensis* L.
6. *Foeniculum vulgare* Mill.
7. *Diodella teres* (Walter) Small
8. *Convolvulus arvensis* L.
9. *Cuscuta pentagona* Engelm.

1. *Ipomoea cholulensis* Kunth
2. *Ipomoea lacunosa* L.
3. *Ipomoea triloba* L.
4. *Asperugo procumbens* L.
5. *Lamium purpureum* L.
6. *Symphytum officinale* L.
7. *Verbena bonariensis* L.
8. *Datura innoxia* Mill.
9. *Datura stramonium* var. *chalybea* Koch.

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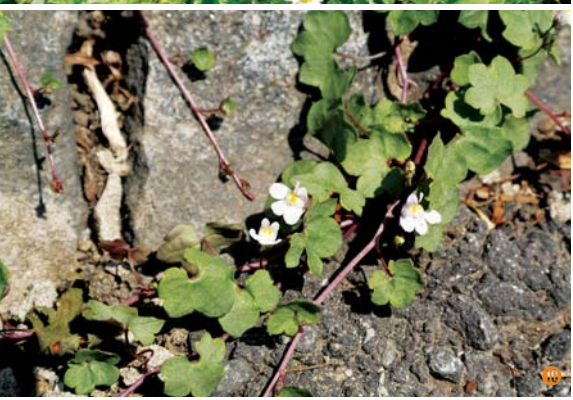


1. *Nicandra physalodes* (L.) Gaertn.
2. *Physalis angulata* L.
3. *Physalis acutifolia* (Miers) Sandwith
4. *Solanum americanum* Mill.
5. *Solanum sarachoides* Sendtn.
6. *Verbascum thapsus* L.
7. *Lindernia dubia* (L.) Pennell
8. *Solanum carolinense* L.
9. *Solanum viarum* Dunal
10. *Cymbalaria muralis* G. Gaertn., B. Mey. & Scherb.

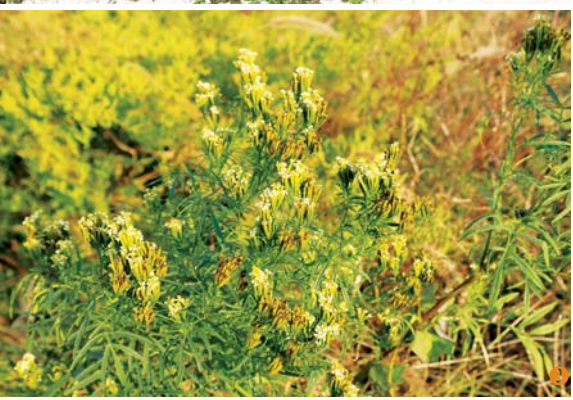
1. *Veronica persica* Poir.
2. *Veronica arvensis* L.
3. *Veronica hederifolia* L.
4. *Veronica serpyllifolia* L.
5. *Nuttallanthus canadensis* (L.) D. A. Sutton
6. *Plantago aristata* Michx.
7. *Plantago lanceolata* L.
8. *Plantago virginica* L.
9. *Ambrosia artemisiifolia* L.

1. *Symphyotrichum novi-belgii* (L.) G.L.Nesom
2. *Ambrosia trifida* L.
3. *Anthemis arvensis* L.
4. *Anthemis cotula* L.
5. *Symphyotrichum pilosum* (Willd.) G. L. Nesom
6. *Bidens frondosa* L.
7. *Bidens polylepis* S. F. Blake
8. *Symphyotrichum expansum* (Poepp. ex Spreng.) G. L. Nesom
9. *Bidens subalternans* DC.
10. *Leucanthemum vulgare* Lam.
11. *Carduus nutans* L.

1. *Carduus crispus* L.
2. *Cirsium vulgare* (Savi) Ten.
3. *Conyza bonariensis* (L.) Cronquist
4. *Conyza canadensis* (L.) Cronquist
5. *Conyza sumatrensis* (Retz.) E. Walker
6. *Coreopsis lanceolata* L.
7. *Coreopsis tinctoria* Nutt.
8. *Cosmos bipinnatus* Cav.
9. *Cosmos sulphureus* Cav.

1. *Crassocephalum crepidioides* (Benth.) S. Moore
2. *Erechtites hieracifolia* (L.) Raf.
3. *Erigeron annuus* (L.) Pers.
4. *Erigeron philadelphicus* L.
5. *Erigeron strigosus* Muhl. ex Willd.
6. *Ageratina altissima* (L.) R. M. King & H. Rob.
7. *Galinsoga quadriradiata* Ruiz & Pav.
8. *Galinsoga parviflora* Cav.
9. *Gamochaeta calviceps* (Fernald) Cabrera

1. *Helianthus tuberosus* L.
2. *Gamochaeta purpurea* (L.) Cabrera
3. *Hypochaeris radicata* L.
4. *Lactuca serriola* L.
5. *Parthenium hysterophorus* L.
6. *Lapsana communis* L.
7. *Matricaria matricarioides* (Less.) Porter
8. *Senecio inaequidens* DC.
9. *Solidago altissima* L.
10. *Senecio vulgaris* L.



1. *Solidago gigantea* Aiton
2. *Sonchus asper* (L.) Hill
3. *Tagetes minuta* L.
4. *Sonchus oleraceus* L.
5. *Taraxacum officinale* F. H. Wigg.
6. *Tragopogon dubius* Scop.
7. *Verbesina alternifolia* (L.) Britton ex Kearney
8. *Xanthium canadense* Mill.
9. *Xanthium italicum* Moretti
10. *Xanthium strumarium* L.
11. *Sisyrinchium rosulatum* E. P. Bicknell

1. *Zephyranthes candida* (Lindl.) Herb.
2. *Aegilops cylindrica* Host
3. *Aira caryophyllea* L.
4. *Elymus repens* (L.) Gould
5. *Briza minor* L.
6. *Andropogon virginicus* L.
7. *Arrhenatherum elatius* (L.) P. Beauv. ex J. Presl & C. Presl

1. *Avena fatua* L.
2. *Bromus carinatus* Hook. & Arn.
3. *Bromus inermis* Leyss.
4. *Bromus hordeaceus* L.
5. *Bromus rigidus* Roth
6. *Bromus sterilis* L.
7. *Bromus tectorum* L.
8. *Bromus secalinus* L.
9. *Chloris virgata* Sw.
10. *Bromus catharticus* Vahl

1. *Coix lacryma –jobi* L.
2. *Catapodium rigidum* (L.) C. E. Hubb.
3. *Dactylis glomerata* L.
4. *Dichanthelium acuminatum* (Sw.) Gould & C. A. Clark
5. *Eremochloa ophiuroides* (Munro) Hack.
6. *Eragrostis curvula* (Schrad.) Nees
7. *Vulpia myuros* (L.) C. C. Gmel.
8. *Festuca arundinacea* Schreb.

1. *Holcus lanatus* L.
2. *Hordeum murinum* L.
3. *Hordeum pusillum* Nutt.
4. *Leptochloa fusca* (L.) Kunth
5. *Lolium rigidum* Gaudin
6. *Lolium perenne* L.
7. *Lolium multiflorum* Lam.
8. *Parapholis incurva* (L.) C. E. Hubb.

1. *Panicum dichotomiflorum* Michx.
2. *Paspalum dilatatum* Poir.
3. *Paspalum distichum* L.
4. *Phleum pratense* L.
5. *Poa compressa* L.
6. *Poa pratensis* L.
7. *Poa trivialis* L.
8. *Rottboellia cochinchinensis* (Lour.) Clayton

1. *Puccinellia distans* (Jacq.) Parl.
2. *Saccharum arundinaceum* Retz.
3. *Sorghum halepense* (L.) Pers.
4. *Spartina anglica* C. E. Hubb.
5. *Carex scoparia* Schkuhr ex Willd.

List of Alien Plants

Invasive Alien Plants

No.	Family name	Scientific name / Korean name
1	Juglandaceae	*Pterocarya stenoptera* C. DC. 중국굴피나무
2	Polygonaceae	*Fallopia convolvulus* (L.) A.Love 나도닭의덩굴
3	Polygonaceae	*Persicaria capitata* (Buch.-Ham. ex D. Don) H. Gross 메밀여뀌
4	Polygonaceae	*Persicaria orientalis* (L.) Spach 털여뀌
5	Polygonaceae	*Polygonum ramosissimum* Michx. 미국갯마디풀
6	Polygonaceae	*Rumex acetosella* L. 애기수영
7	Polygonaceae	*Rumex conglomeratus* Murray 묵밭소리쟁이
8	Polygonaceae	*Rumex crispus* L. 소리쟁이
9	Polygonaceae	*Rumex dentatus* L. 좀소리쟁이
10	Polygonaceae	*Rumex obtusifolius* L. 돌소리쟁이
11	Polygonaceae	*Rumex patientia* L. 부령소리쟁이
12	Phytolaccaceae	*Phytolacca americana* L. 미국자리공
13	Nyctaginaceae	*Mirabilis jalapa* L. 분꽃
14	Molluginaceae	*Mollugo verticillata* L. 큰석류풀
15	Caryophyllaceae	*Cerastium glomeratum* Thuill. 유럽점나도나물
16	Caryophyllaceae	*Dianthus armeria* L. 유럽패랭이
17	Caryophyllaceae	*Holosteum umbellatum* L. 산형나도별꽃
18	Caryophyllaceae	*Saponaria officinalis* L. 비누풀
19	Caryophyllaceae	*Scleranthus annuus* L. 다북개미자리
20	Caryophyllaceae	*Silene antirrhina* L. 가는끈끈이장구채
21	Caryophyllaceae	*Silene armeria* L. 끈끈이대나물
22	Caryophyllaceae	*Silene gallica* L. 양장구채
23	Caryophyllaceae	*Silene latifolia* subsp. *alba* (Mill.) Greuter & Burdet 달맞이장구채
24	Caryophyllaceae	*Spergula arvensis* L. 들개미자리

25	Caryophyllaceae	*Spergularia bocconei* (Scheele) Graebn. 끈적털갯개미자리
26	Caryophyllaceae	*Spergularia rubra* J. Presl & C. Presl 유럽개미자리
27	Chenopodiaceae	*Atriplex prostrata* Boucher ex DC. 창명아주
28	Chenopodiaceae	*Bassia scoparia* (L.) A. J. Scott 댑싸리
29	Chenopodiaceae	*Chenopodium album* L. 흰명아주
30	Chenopodiaceae	*Chenopodium ficifolium* Sm. 좀명아주
31	Chenopodiaceae	*Chenopodium glaucum* L. 취명아주
32	Chenopodiaceae	*Dysphania ambrosioides* (L.) Mosyakin & Clemants 양명아주
33	Chenopodiaceae	*Dysphania pumilio* (R. Br.) Mosyakin & Clemants 냄새명아주
34	Amaranthaceae	*Amaranthus hybridus* L. 긴털비름
35	Amaranthaceae	*Amaranthus patulus* Bertol. 가는털비름
36	Amaranthaceae	*Amaranthus powellii* S. Watson 민털비름
37	Amaranthaceae	*Amaranthus spinosus* L. 가시비름
38	Amaranthaceae	*Amaranthus viridis* L. 청비름
39	Amaranthaceae	*Celosia argentea* L. 개맨드라미
40	Magnoliaceae	*Magnolia obovata* Thunb. 일본목련
41	Ranunculaceae	*Ranunculus muricatus* L. 유럽미나리아재비
42	Berberidaceae	*Mahonia japonica* (Thunb.) DC. 뽈남천
43	Guttiferae	*Hypericum perforatum* L. 서양고추나물
44	Fumariaceae	*Fumaria officinalis* L. 둥근빗살현호색
45	Papaveraceae	*Papaver dubium* L. 좀양귀비
46	Papaveraceae	*Papaver rhoeas* L. 개양귀비
47	Cruciferae	*Alliaria petiolata* (M. Bieb.) Cavara & Grande 마늘냉이
48	Cruciferae	*Barbarea verna* (Mill.) Asch. 봄나도냉이
49	Cruciferae	*Barbarea vulgaris* R. Br. 유럽나도냉이

50	Cruciferae	*Cakile edentula* (Bigelow) Hook. 서양갯냉이
51	Cruciferae	*Camelina microcarpa* Andrz. ex DC. 좀아마냉이
52	Cruciferae	*Chorispora tenella* (Pall.) DC. 뿔냉이
53	Cruciferae	*Diplotaxis muralis* (L.) DC. 모래냉이
54	Cruciferae	*Lepidium bonariense* L. 국화잎다닥냉이
55	Cruciferae	*Lepidium campestre* (L.) W. T. Aiton 들다닥냉이
56	Cruciferae	*Lepidium didymum* L. 냄새냉이
57	Cruciferae	*Lepidium draba* L. 큰잎다닥냉이
58	Cruciferae	*Lepidium perfoliatum* L. 대부도냉이
59	Cruciferae	*Lepidium pinnatifidum* Ledeb. 털다닥냉이
60	Cruciferae	*Lepidium virginicum* L. 콩다닥냉이
61	Cruciferae	*Nasturtium officinale* R. Br. 물냉이
62	Cruciferae	*Rorippa sylvestris* (L.) Besser 가새잎개갓냉이
63	Cruciferae	*Sinapis arvensis* L. 들갓
64	Cruciferae	*Sisymbrium altissimum* L. 가는잎털냉이
65	Cruciferae	*Sisymbrium officinale* (L.) Scop. 유럽장대
66	Cruciferae	*Sisymbrium orientale* L. 긴갓냉이
67	Crassulaceae	*Sedum mexicanum* Britton 멕시코돌나물
68	Rosaceae	*Potentilla supina* L. 개소시랑개비
69	Rosaceae	*Rubus fruticosus* L. 서양산딸기
70	Leguminosae	*Amorpha fruticosa* L. 족제비싸리
71	Leguminosae	*Astragalus sinicus* L. 자운영
72	Leguminosae	*Lespedeza lichiyuniae* T. Nemoto, H. Ohashi & T. Itoh 자주비수리
73	Leguminosae	*Lotus corniculatus* L. 서양벌노랑이
74	Leguminosae	*Lotus pedunculatus* Cav. 들벌노랑이

75	Leguminosae	*Medicago lupulina* L. 잔개자리
76	Leguminosae	*Medicago minima* (L.) L. 좀개자리
77	Leguminosae	*Medicago polymorpha* L. 개자리
78	Leguminosae	*Medicago sativa* L. 자주개자리
79	Leguminosae	*Melilotus albus* Medik. 흰전동싸리
80	Leguminosae	*Melilotus suaveolens* Ledeb. 전동싸리
81	Leguminosae	*Robinia pseudoacacia* L. 아까시나무
82	Leguminosae	*Securigera varia* (L.) Lassen 왕관갈퀴나물
83	Leguminosae	*Trifolium campestre* Schreb. 노랑토끼풀
84	Leguminosae	*Trifolium dubium* Sibth. 애기노랑토끼풀
85	Leguminosae	*Trifolium hybridum* L. 선토끼풀
86	Leguminosae	*Trifolium incarnatum* L. 진홍토끼풀
87	Leguminosae	*Trifolium pratense* L. 붉은토끼풀
88	Leguminosae	*Trifolium repens* L. 토끼풀
89	Leguminosae	*Trifolium resupinatum* L. 거꿀꽃토끼풀
90	Leguminosae	*Vicia villosa* Roth 벳지
91	Leguminosae	*Vicia villosa* subsp. *varia* (Host) Corb. 각시갈퀴나물
92	Oxalidaceae	*Oxalis articulata* Savigny 덩이괭이밥
93	Oxalidaceae	*Oxalis debilis* var. *corymbosa* (DC.) Lourteig 자주괭이밥
94	Oxalidaceae	*Oxalis dillenii* Jacq. 들괭이밥
95	Geraniaceae	*Erodium cicutarium* (L.) L'He′r. 세열유럽쥐손이
96	Geraniaceae	*Geranium carolinianum* L. 미국쥐손이
97	Geraniaceae	*Geranium dissectum* L. 세열미국쥐손이
98	Linaceae	*Linum virginianum* L. 노랑개아마
99	Euphorbiaceae	*Euphorbia dentata* Michx. 톱니대극

100	Euphorbiaceae	*Euphorbia heterophylla* L. 아메리카대극
101	Euphorbiaceae	*Euphorbia hirta* L. 털땅빈대
102	Euphorbiaceae	*Euphorbia maculata* L. 큰땅빈대
103	Euphorbiaceae	*Euphorbia supina* Raf. 애기땅빈대
104	Euphorbiaceae	*Euphorbia prostrata* Aiton 누운땅빈대
105	Malvaceae	*Hibiscus trionum* L. 수박풀
106	Malvaceae	*Malva neglecta* Wallr. 난쟁이아욱
107	Malvaceae	*Malva parviflora* L. 애기아욱
108	Malvaceae	*Malva pusilla* Sm. 둥근잎아욱
109	Malvaceae	*Malva sylvestris* L. 당아욱
110	Malvaceae	*Modiola caroliniana* (L.) G. Don 국화잎아욱
111	Malvaceae	*Sida rhombifolia* L. 나도공단풀
112	Malvaceae	*Sida spinosa* L. 공단풀
113	Elaeagnaceae	*Elaeagnus pungens* Thunb. 통영볼레나무
114	Violaceae	*Viola arvensis* Murray 야생팬지
115	Violaceae	*Viola papilionacea* Pursh 종지나물
116	Cucurbitaceae	*Sicyos angulatus* L. 가시박
117	Lythraceae	*Ammannia coccinea* Rottb. 미국좀부처꽃
118	Onagraceae	*Oenothera biennis* L. 달맞이꽃
119	Onagraceae	*Oenothera laciniata* Hill 애기달맞이꽃
120	Onagraceae	*Oenothera rosea* L'Her. ex Aiton 애기분홍낮달맞이꽃
121	Onagraceae	*Oenothera stricta* Ledeb. ex Link 긴잎달맞이꽃
122	Onagraceae	*Oenothera* × *erythrosepala* Borbas 큰달맞이꽃
123	Umbelliferae	*Anthriscus caucalis* M. Bieb. 유럽전호
124	Umbelliferae	*Chaerophyllum tainturieri* Hook. 전호아재비

125	Umbelliferae	*Conium maculatum* L. 나도독미나리
126	Umbelliferae	*Cyclospermum leptophyllum* (Pers.) Sprague ex Britton & P. Wilson 솔잎미나리
127	Umbelliferae	*Foeniculum vulgare* Mill. 회향
128	Rubiaceae	*Diodella teres* (Walter) Small 백령풀
129	Rubiaceae	*Diodia virginiana* L. 큰백령풀
130	Rubiaceae	*Oldenlandia corymbosa* L. 산방백운풀
131	Rubiaceae	*Sherardia arvensis* L. 꽃갈퀴덩굴
132	Convolvulaceae	*Convolvulus arvensis* L. 서양메꽃
133	Convolvulaceae	*Cuscuta pentagona* Engelm. 미국실새삼
134	Convolvulaceae	*Ipomoea cholulensis* Kunth 둥근잎유홍초
135	Convolvulaceae	*Ipomoea lacunosa* L. 애기나팔꽃
136	Convolvulaceae	*Ipomoea nil* (L.) Roth 나팔꽃
137	Convolvulaceae	*Ipomoea purpurea* (L.) Roth 둥근잎나팔꽃
138	Convolvulaceae	*Ipomoea triloba* L. 별나팔꽃
139	Boraginaceae	*Asperugo procumbens* L. 갈퀴지치
140	Boraginaceae	*Symphytum officinale* L. 컴프리
141	Verbenaceae	*Verbena bonariensis* L. 버들마편초
142	Verbenaceae	*Verbena brasiliensis* Vell. 브라질마편초
143	Labiatae	*Lamium purpureum* L. 자주광대나물
144	Labiatae	*Lamium purpureum* var. *hybridum* (Vill.) Vill. 유럽광대나물
145	Solanaceae	*Datura innoxia* Mill. 털독말풀
146	Solanaceae	*Datura stramonium* L. 흰독말풀
147	Solanaceae	*Nicandra physalodes* (L.) Gaertn. 페루꽈리
148	Solanaceae	*Physalis acutifolia* (Miers) Sandwith 노란꽃땅꽈리
149	Solanaceae	*Physalis angulata* L. 땅꽈리

150	Solanaceae	*Solanum americanum* Mill. 미국까마중
151	Solanaceae	*Solanum carolinense* L. 도깨비가지
152	Solanaceae	*Solanum elaeagnifolium* Cav. 은빛까마중
153	Solanaceae	*Solanum sarachoides* Sendtn. 털까마중
154	Solanaceae	*Solanum viarum* Dunal 왕도깨비가지
155	Scrophulariaceae	*Cymbalaria muralis* G. Gaertn., B. Mey. & Scherb. 덩굴해란초
156	Scrophulariaceae	*Lindernia dubia* (L.) Pennell 미국외풀
157	Scrophulariaceae	*Lindernia dubia* var. *anagallidea* (Michx.) Cooperr. 가는미국외풀
158	Scrophulariaceae	*Verbascum thapsus* L. 우단담배풀
159	Scrophulariaceae	*Veronica americana* Schwein. ex Benth. 미국물칭개
160	Scrophulariaceae	*Veronica arvensis* L. 선개불알풀
161	Scrophulariaceae	*Veronica hederifolia* L. 눈개불알풀
162	Scrophulariaceae	*Veronica persica* Poir. 큰개불알풀
163	Scrophulariaceae	*Veronica serpyllifolia* L. 좀개불알풀
164	Plantaginaceae	*Nuttallanthus canadensis* (L.) D. A. Sutton 솔잎해란초
165	Plantaginaceae	*Plantago aristata* Michx. 긴포꽃질경이
166	Plantaginaceae	*Plantago lanceolata* L. 창질경이
167	Plantaginaceae	*Plantago virginica* L. 미국질경이
168	Valerianaceae	*Valerianella locusta* (L.) Laterr. 상치아재비
169	Campanulaceae	*Triodanis perfoliata* (L.) Nieuwl. 비너스도라지
170	Compositae	*Achillea millefolium* L. 서양톱풀
171	Compositae	*Ageratina altissima* (L.) R. M. King & H. Rob. 서양등골나물
172	Compositae	*Ageratum conyzoides* L. 등골나물아재비
173	Compositae	*Ambrosia artemisiifolia* L. 돼지풀
174	Compositae	*Ambrosia trifida* L. 단풍잎돼지풀

175	Compositae	*Anthemis arvensis* L. 길뚝개꽃
176	Compositae	*Anthemis cotula* L. 개꽃아재비
177	Compositae	*Bidens frondosa* L. 미국가막사리
178	Compositae	*Bidens pilosa* L. 울산도깨비바늘
179	Compositae	*Bidens polylepis* S. F. Blake 노랑도깨비바늘
180	Compositae	*Bidens subalternans* DC. 왕도깨비바늘
181	Compositae	*Carduus crispus* L. 지느러미엉겅퀴
182	Compositae	*Carduus nutans* L. 사향엉겅퀴
183	Compositae	*Cirsium vulgare* (Savi) Ten. 서양가시엉겅퀴
184	Compositae	*Conyza bonariensis* (L.) Cronquist 실망초
185	Compositae	*Conyza canadensis* (L.) Cronquist 망초
186	Compositae	*Conyza sumatrensis* (Retz.) E. Walker 큰망초
187	Compositae	*Coreopsis lanceolata* L. 큰금계국
188	Compositae	*Coreopsis tinctoria* Nutt. 기생초
189	Compositae	*Cosmos bipinnatus* Cav. 코스모스
190	Compositae	*Cosmos sulphureus* Cav. 노랑코스모스
191	Compositae	*Crassocephalum crepidioides* (Benth.) S. Moore 주홍서나물
192	Compositae	*Crepis tectorum* L. 나도민들레
193	Compositae	*Cyanus segetum* Hill 수레국화
194	Compositae	*Erechtites hieracifolia* (L.) Raf. 붉은서나물
195	Compositae	*Erigeron annuus* (L.) Pers. 개망초
196	Compositae	*Erigeron philadelphicus* L. 봄망초
197	Compositae	*Erigeron strigosus* Muhl. ex Willd. 주걱개망초
198	Compositae	*Euthamia graminifolia* (L.) Nutt. 미역취아재비
199	Compositae	*Galinsoga parviflora* Cav. 별꽃아재비

200	Compositae	*Galinsoga quadriradiata* Ruiz & Pav. 털별꽃아재비
201	Compositae	*Gamochaeta calviceps* (Fernald) Cabrera 선풀솜나물
202	Compositae	*Gamochaeta pensylvanica* (Willd.) Cabrera 미국풀솜나물
203	Compositae	*Gamochaeta purpurea* (L.) Cabrera 자주풀솜나물
204	Compositae	*Helianthus debilis* Nutt. 애기해바라기
205	Compositae	*Helianthus tuberosus* L. 뚱딴지
206	Compositae	*Hieracium caespitosum* Dumort. 유럽조밥나물
207	Compositae	*Hypochaeris radicata* L. 서양금혼초
208	Compositae	*Lactuca serriola* L. 가시상추
209	Compositae	*Lapsana communis* L. 서양개보리뺑이
210	Compositae	*Leucanthemum vulgare* Lam. 불란서국화
211	Compositae	*Matricaria matricarioides* (Less.) Porter 족제비쑥
212	Compositae	*Parthenium hysterophorus* L. 돼지풀아재비
213	Compositae	*Rudbeckia bicolor* Nutt. 원추천인국
214	Compositae	*Rudbeckia hirta* L. 수잔루드베키아
215	Compositae	*Rudbeckia laciniata* var. *hortensia* L. H. Bailey 겹삼잎국화
216	Compositae	*Senecio inaequidens* DC. 가는잎금방망이
217	Compositae	*Senecio scandens* Buch.-Ham. ex D. Don 양재금방망이
218	Compositae	*Senecio vulgaris* L. 개쑥갓
219	Compositae	*Solidago altissima* L. 양미역취
220	Compositae	*Solidago gigantea* Aiton 미국미역취
221	Compositae	*Sonchus asper* (L.) Hill 큰방가지똥
222	Compositae	*Sonchus oleraceus* L. 방가지똥
223	Compositae	*Symphyotrichum expansum* (Poepp. ex Spreng.) G. L. Nesom 큰비짜루국화
224	Compositae	*Symphyotrichum pilosum* (Willd.) G. L. Nesom 미국쑥부쟁이

225	Compositae	*Symphyotrichum subulatum* (Michx.) G. L. Nesom 비짜루국화
226	Compositae	*Tagetes minuta* L. 만수국아재비
227	Compositae	*Taraxacum laevigatum* (Willd.) DC. 붉은씨서양민들레
228	Compositae	*Taraxacum officinale* F. H. Wigg. 서양민들레
229	Compositae	*Tragopogon dubius* Scop. 쇠채아재비
230	Compositae	*Verbesina alternifolia* (L.) Britton ex Kearney 나래가막사리
231	Compositae	*Xanthium canadense* Mill. 큰도꼬마리
232	Compositae	*Xanthium italicum* Moretti 가시도꼬마리
233	Amaryllidaceae	*Zephyranthes candida* (Lindl.) Herb. 흰꽃나도사프란
234	Iridaceae	*Crocosmia* × *crocosmiiflora* (Lemoine) N. E. Br. 몬트부레치아
235	Iridaceae	*Sisyrinchium micranthum* Cav. 연등심붓꽃
236	Iridaceae	*Sisyrinchium rosulatum* E. P. Bicknell 등심붓꽃
237	Commelinaceae	*Commelina benghalensis* L. 고깔닭의장풀
238	Commelinaceae	*Commelina diffusa* Burm.f. 왕닭의장풀
239	Commelinaceae	*Tradescantia fluminensis* Vell. 얼룩닭의장풀
240	Commelinaceae	*Tradescantia ohiensis* Raf. 자주닭개비
241	Gramineae	*Aegilops cylindrica* Host 염소풀
242	Gramineae	*Agrostis capillaris* L. 들겨이삭
243	Gramineae	*Agrostis stolonifera* L. 애기겨이삭
244	Gramineae	*Aira caryophyllea* L. 은털새
245	Gramineae	*Alopecurus geniculatus* L. 유럽뚝새풀
246	Gramineae	*Alopecurus japonicus* Steud. 털뚝새풀
247	Gramineae	*Alopecurus myosuroides* Huds. 쥐꼬리뚝새풀
248	Gramineae	*Alopecurus pratensis* L. 큰뚝새풀
249	Gramineae	*Andropogon virginicus* L. 나도솔새

250	Gramineae	*Anthoxanthum odoratum* L. 향기풀
251	Gramineae	*Arrhenatherum elatius* (L.) P. Beauv. ex J. Presl & C. Presl 개나래새
252	Gramineae	*Arrhenatherum elatius* var. *bulbosum* (Willd.) Spenn. 염주개나래새
253	Gramineae	*Avena fatua* L. 메귀리
254	Gramineae	*Briza minor* L. 방울새풀
255	Gramineae	*Bromus alopecuros* Poir. 긴털참새귀리
256	Gramineae	*Bromus carinatus* Hook. & Arn. 성긴이삭풀
257	Gramineae	*Bromus catharticus* Vahl 큰이삭풀
258	Gramineae	*Bromus hordeaceus* L. 털참새귀리
259	Gramineae	*Bromus inermis* Leyss. 좀참새귀리
260	Gramineae	*Bromus racemosus* L. 민둥참새귀리
261	Gramineae	*Bromus rigidus* Roth 긴까락빕새귀리
262	Gramineae	*Bromus secalinus* L. 큰참새귀리
263	Gramineae	*Bromus sterilis* L. 까락빕새귀리
264	Gramineae	*Bromus tectorum* L. 털빕새귀리
265	Gramineae	*Catapodium rigidum* (L.) C. E. Hubb. 고사리새
266	Gramineae	*Cenchrus longispinus* (Hack.) Fernald 대청가시풀
267	Gramineae	*Chloris virgata* Sw. 나도바랭이
268	Gramineae	*Coix lacryma-jobi* L. 염주
269	Gramineae	*Cynosurus echinatus* L. 좀빗살새
270	Gramineae	*Dactylis glomerata* L. 오리새
271	Gramineae	*Dactyloctenium aegyptium* (L.) Beauv. 지네발새
272	Gramineae	*Danthonia spicata* (L.) Roem. & Schult. 꼬인새
273	Gramineae	*Dichanthelium acuminatum* (Sw.) Gould & C. A. Clark 방석기장
274	Gramineae	*Elymus repens* (L.) Gould 구주개밀

275	Gramineae	*Eragrostis curvula* (Schrad.) Nees 능수참새그령
276	Gramineae	*Eragrostis pectinacea* (Michx.) Nees 들비노리
277	Gramineae	*Eremochloa ophiuroides* (Munro) Hack. 외대쇠치기아재비
278	Gramineae	*Festuca arundinacea* Schreb. 큰김의털
279	Gramineae	*Festuca heterophylla* Lam. 사방김의털
280	Gramineae	*Festuca pratensis* Huds. 넓은김의털
281	Gramineae	*Glyceria declinata* Breb. 유럽육절보리풀
282	Gramineae	*Holcus lanatus* L. 흰털새
283	Gramineae	*Hordeum jubatum* L. 긴까락보리풀
284	Gramineae	*Hordeum murinum* L. 보리풀
285	Gramineae	*Hordeum pusillum* Nutt. 좀보리풀
286	Gramineae	*Leptochloa fusca* (L.) Kunth 갯드렁새
287	Gramineae	*Lolium multiflorum* Lam. 쥐보리
288	Gramineae	*Lolium perenne* L. 호밀풀
289	Gramineae	*Lolium rigidum* Gaudin 댕돌보리
290	Gramineae	*Panicum dichotomiflorum* Michx. 미국개기장
291	Gramineae	*Panicum virgatum* L. 큰개기장
292	Gramineae	*Parapholis incurva* (L.) C. E. Hubb. 뿔이삭풀
293	Gramineae	*Paspalum dilatatum* Poir. 큰참새피
294	Gramineae	*Paspalum distichum* L. 물참새피
295	Gramineae	*Paspalum notatum* Flugge 민둥참새피
296	Gramineae	*Paspalum urvillei* Steud. 털큰참새피
297	Gramineae	*Pennisetum flaccidum* Griseb. 가는수크령
298	Gramineae	*Phalaris canariensis* L. 카나리새풀
299	Gramineae	*Phleum paniculatum* Huds. 작은조아재비

300	Gramineae	*Phleum pratense* L. 큰조아재비
301	Gramineae	*Poa bulbosa* L. 개이삭포아풀
302	Gramineae	*Poa bulbosa* subsp. *vivipara* (Koeler) Arcang. 이삭포아풀
303	Gramineae	*Poa compressa* L. 좀포아풀
304	Gramineae	*Poa pratensis* L. 왕포아풀
305	Gramineae	*Poa trivialis* L. 큰새포아풀
306	Gramineae	*Puccinellia distans* (Jacq.) Parl. 처진미꾸리광이
307	Gramineae	*Rottboellia cochinchinensis* (Lour.) Clayton 개쇠치기풀
308	Gramineae	*Saccharum arundinaceum* Retz. 큰개사탕수수
309	Gramineae	*Saccharum spontaneum* L. 개사탕수수
310	Gramineae	*Sorghum halepense* (L.) Pers. 시리아수수새
311	Gramineae	*Spartina alterniflora* Loisel. 갯쥐꼬리풀
312	Gramineae	*Spartina anglica* C. E. Hubb. 영국갯끈풀
313	Gramineae	*Vulpia bromoides* (L.) Gray 들묵새아재비
314	Gramineae	*Vulpia myuros* (L.) C. C. Gmel. 들묵새
315	Gramineae	*Zoysia matrella* (L.) Merr. 남방잔디
316	Cyperaceae	*Carex hirsutella* Mack. 미국산사초
317	Cyperaceae	*Carex scoparia* Schkuhr ex Willd. 한석사초
318	Cyperaceae	*Cyperus eragrostis* Lam. 열대방동사니
319	Cyperaceae	*Cyperus esculentus* L. 기름골
320	Zingiberaceae	*Zingiber mioga* (Thunb.) Roscoe 양하

Concerned Alien Plants

No.	Family name	Scientific name / Korean name
1	Cupressaceae	*Cryptomeria japonica* (Thunb. ex L.f.) D.Don 삼나무
2	Salicaceae	*Populus nigra* L. "Italica" 양버들
3	Salicaceae	*Populus* × *canadensis* Moench 이태리포푸라
4	Salicaceae	*Salix matsudana* f. *tortuosa* (Vilm.) Rehder 용버들
5	Betulaceae	*Alnus firma Siebold* & Zucc. 사방오리
6	Cercidiphyllaceae	*Cercidiphyllum japonicum* Siebold & Zucc. 계수나무
7	Platanaceae	*Platanus occidentalis* L. 양버즘나무
8	Rosaceae	*Prunus speciosa* (Koidz.) Nakai 왜벚나무
9	Leguminosae	*Galega officinalis* L. 오피키날리스갈레가
10	Leguminosae	*Indigofera bungeana* Walp. 큰낭아초
11	Leguminosae	*Ulex europaeus* L. 울렉스
12	Aceraceae	*Acer buergerianum* Miq. 중국단풍
13	Hippocastanaceae	*Aesculus turbinata* Blume 칠엽수
14	Aquifoliaceae	*Ilex serrata* Thunb. 낙상홍
15	Aquifoliaceae	*Ilex verticillata* (L.) A.Gray 미국낙상홍
16	Malvaceae	*Anoda cristata* (L.) Schltdl. 나도어저귀
17	Tamaricaceae	*Tamarix chinensis* Lour. 위성류
18	Araliaceae	*Tetrapanax papyrifer* (Hook.) K.Koch 통탈목
19	Labiatae	*Perilla frutescens* var. *crispa* (Benth.) W.Deane 소엽
20	Scrophulariaceae	*Paulownia tomentosa* (Thunb.) Steud. 참오동나무
21	Liliaceae	*Rohdea japonica* (Thunb.) Roth 만년청
22	Pontederiaceae	*Eichhornia crassipes* (Mart.) Solms 부레옥잠
23	Iridaceae	*Iris pseudacorus* L. 노랑꽃창포
24	Gramineae	*Arundo donax* L. 물대
25	Araceae	*Wolffia arrhiza* (L.) Horkel ex Wimm. 분개구리밥

Uncertain Plant

No.	Family name	Scientific name / Korean name
1	Polygonaceae	*Persicaria wallichii* Greuter & Burdet 히말라야여뀌
2	Caryophyllaceae	*Vaccaria hispanica* (Mill.) Rauschert 말뱅이나물
3	Chenopodiaceae	*Chenopodium hybridum* L. 얇은명아주
4	Amaranthaceae	*Amaranthus albus* L. 미국비름
5	Amaranthaceae	*Amaranthus arenicola* I.M.Johnst. 각시비름
6	Amaranthaceae	*Amaranthus palmeri* S.Watson 긴이삭비름
7	Amaranthaceae	*Amaranthus retroflexus* L. 털비름
8	Ranunculaceae	*Ranunculus arvensis* L. 좀미나리아재비
9	Papaveraceae	*Papaver hybridum* L. 바늘양귀비
10	Cruciferae	*Descurainia pinnata* (Walter) Britton 나도재쑥
11	Cruciferae	*Erucastrum gallicum* (Willd.) O.E.Schulz 큰잎냉이
12	Cruciferae	*Lepidium apetalum* Willd. 다닥냉이
13	Cruciferae	*Lepidium latifolium* L. 큰키다닥냉이
14	Cruciferae	*Lepidium ruderale* L. 좀다닥냉이
15	Cruciferae	*Myagrum perfoliatum* L. 장수냉이
16	Cruciferae	*Neslia paniculata* (L.) Desv. 구슬다닥냉이
17	Cruciferae	*Raphanus raphanistrum* L. 서양무아재비
18	Cruciferae	*Rapistrum rugosum* (L.) All. 주름구슬냉이
19	Rosaceae	*Sanguisorba minor* Scop. 술오이풀
20	Leguminosae	*Lespedeza davidii* Franch. 큰잎싸리
21	Leguminosae	*Lespedeza floribunda* Bunge 분홍싸리
22	Leguminosae	*Lotus tenuis* Waldst. & Kit. ex Willd. 좁은잎벌노랑이
23	Leguminosae	*Lupinus angustifolius* L. 가는잎미선콩
24	Umbelliferae	*Bifora radians* M.Bieb. 쌍구슬풀

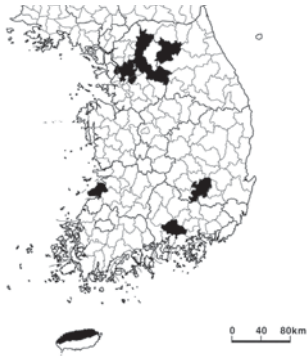
25	Umbelliferae	*Lisaea heterocarpa* Boiss. 이란미나리
26	Convolvulaceae	*Jacquemontia tamnifolia* (L.) Griseb. 선나팔꽃
27	Boraginaceae	*Amsinckia lycopsoides* Lehm. 미국꽃말이
28	Labiatae	*Scutellaria baicalensis* Georgi 황금
29	Solanaceae	*Solanum rostratum* Dunal 가시가지
30	Solanaceae	*Solanum sisymbriifolium* Lam. 둥근가시가지
31	Solanaceae	*Solanum villosum* Mill. 노랑까마중
32	Scrophulariaceae	*Gratiola officinalis* L. 유럽큰고추풀
33	Compositae	*Cirsium arvense* (L.) Scop. 카나다엉겅퀴
34	Compositae	*Rudbeckia amplexicaulis* Vahl 천인국아재비
35	Compositae	*Symphyotrichum novi-belgii* (L.) G.L.Nesom 우선국
36	Compositae	*Tripleurospermum inodorum* (L.) Sch.Bip. 꽃족제비쑥
37	Gramineae	*Lolium temulentum* L. 독보리
38	Gramineae	*Phalaris minor* Retz. 애기카나리새풀
39	Gramineae	*Setaria verticillata* (L.) P.Beauv. 유럽강아지풀
40	Gramineae	*Vulpia myuros* var. *megalura* (Nutt.) Auquier 큰묵새

Invasive Alien Plants

001 | *Pterocarya stenoptera* C. DC.

Juglandaceae

Jung-guk-gul-pi-na-mu

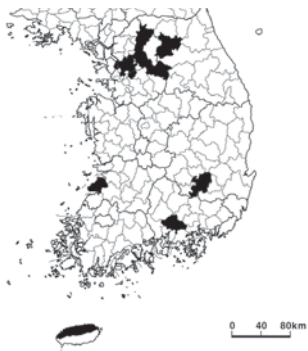


- **Life form** : Tree
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Asia (China)
- **Introduction time** : before 1920
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonbuk, Gyeongnam, Seoul, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

002 | *Fallopia convolvulus* (L.) Á.Löve

Polygonaceae

Na-do-dak-ui-deong-gul

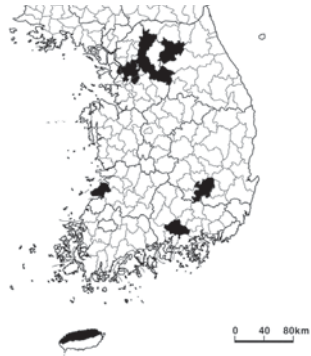


- **Life form** : Annual (vine)
- **Flowering and fruiting period** : May-Oct.
- **Origin :** Eurasia
- **Introduction time** : before 1956
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

003 | *Persicaria capitata* (Buch.-Ham. ex D. Don) H. Gross

Polygonaceae

Me-mir-yeo-kkwi

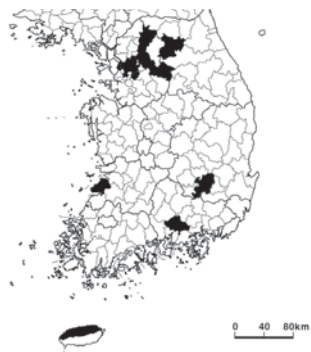


- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Nov.
- **Origin :** Asia
- **Introduction time** : before 2001
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

004 | *Persicaria orientalis* (L.) Spach

Polygonaceae

Teor-yeo-kkwi



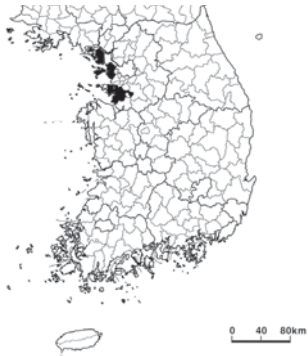
- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Asia (India)
- **Introduction time** : before 1937
- **Introduction characteristics** : Intentional introduction (medicinal)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

005 | *Polygonum ramosissimum* Michx.

Polygonaceae

Mi-guk-gaet-ma-di-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** North America
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



006 | *Rumex acetosella* L.

Polygonaceae

Ae-gi-su-yeong

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

007 | *Rumex conglomeratus* Murray

Polygonaceae

Muk-bat-so-ri-jaeng-i

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Europe
- **Introduction time** : before 1965
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

008 | *Rumex crispus* L.

Polygonaceae

So-ri-jaeng-i

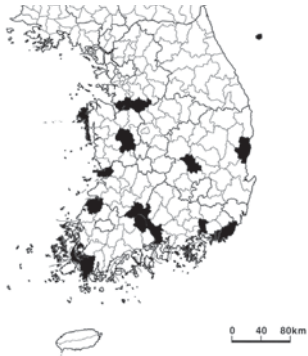
- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1965
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

009 | *Rumex dentatus* L.

Polygonaceae

Jom-so-ri-jaeng-i

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Busan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

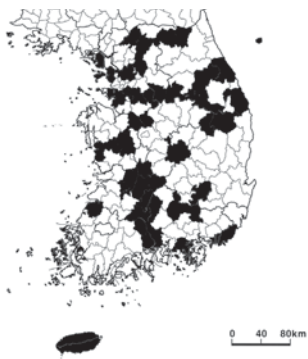


010 | *Rumex obtusifolius* L.

Polygonaceae

Dol-so-ri-jaeng-i

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 1994
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

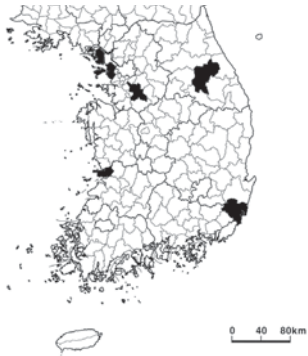


011 | *Rumex patientia* L.

Polygonaceae

Bu-ryeong-so-ri-jaeng-i

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** North America
- **Introduction time** : before 1911
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonbuk, Incheon, Ulsan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



012 | *Phytolacca americana* L.

Phytolaccaceae

Mi-guk-ja-ri-gong

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America
- **Introduction time** : before 1976
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

013 | *Mirabilis jalapa* L.

Nyctaginaceae

Bun-kkot

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Oct.
- **Origin :** America (tropic zone)
- **Introduction time** : before 1922
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

014 | *Mollugo verticillata* L.

Molluginaceae

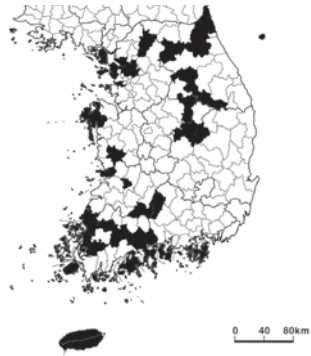
Keun-seong-lyu-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** America (tropic zone)
- **Introduction time** : before 1969
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonnam, Gyeongbuk, Gyeongnam, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

015 | *Cerastium glomeratum* Thuill. Caryophyllaceae

Yu-reop-jeom-na-do-na-mul

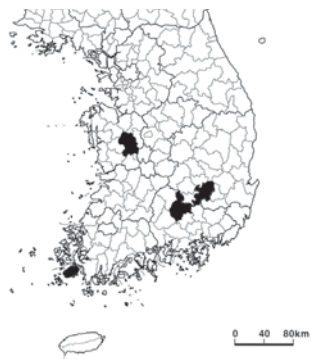
- **Life form** : Biennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Europe
- **Introduction time** : before 1994
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Seoul, Incheon, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



016 | *Dianthus armeria* L. Caryophyllaceae

Yu-reop-pae-raeng-i

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Aug.
- **Origin :** Europe
- **Introduction time** : before 2015
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam, Jeonnam, Gyeongnam, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



017 | *Holosteum umbellatum* L.

Caryophyllaceae

San-hyeong-na-do-byeol-kkot

- **Life form** : Annual
- **Flowering and fruiting period** : Mar.-May
- **Origin :** Eurasia
- **Introduction time** : before 2014
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

018 | *Saponaria officinalis* L.

Caryophyllaceae

Bi-nu-pul

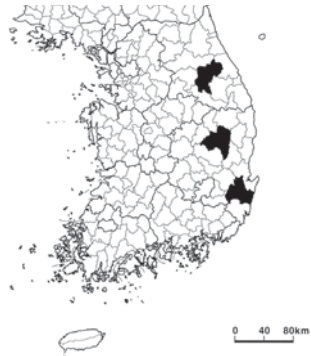
- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 2009
- **Introduction characteristics** :Intentional introduction (ornamental)
- **Distribution (South Korea)** : Incheon, Busan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant, invasion into interior forest

019 | *Scleranthus annuus* L.

Caryophyllaceae

Da-buk-gae-mi-ja-ri

- **Life form** : Annual
- **Flowering and fruiting period** : May-Sep.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 2001
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Gyeongbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



020 | *Silene antirrhina* L.

Caryophyllaceae

Ga-neun-kkeun-kkeun-i-jang-gu-chae

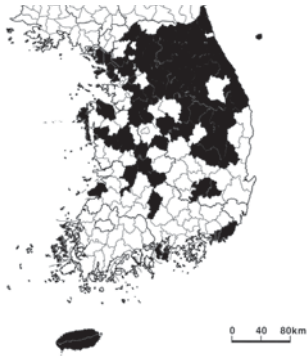
- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** America
- **Introduction time** : before 2011
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

021 | *Silene armeria* L.

Caryophyllaceae

Kkeun-kkeun-i-dae-na-mul

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Europe
- **Introduction time** : before 1922
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



022 | *Silene gallica* L.

Caryophyllaceae

Yang-jang-gu-chae

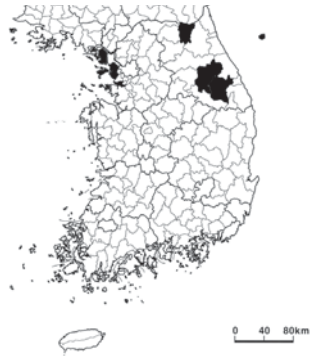
- **Life form** : Biennial
- **Flowering and fruiting period** : Apr.-Jul.
- **Origin :** Europe
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

023 | *Silene latifolia* subsp. *alba* (Mill.) Greuter & Burdet

Caryophyllaceae

Dal-mat-i-jang-gu-chae

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 2000
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Gyeongbuk, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

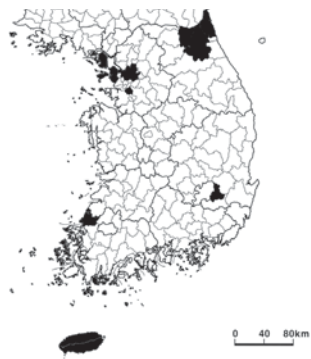


024 | *Spergula arvensis* L.

Caryophyllaceae

Deul-gae-mi-ja-ri

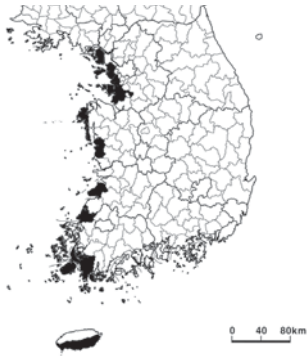
- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam, Gyeongbuk, Seoul, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



025 | *Spergularia bocconei* (Scheele) Graebn. Caryophyllaceae

Kkeun-jeok-teol-gaet-gae-mi-ja-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Aug.
- **Origin :** the Mediterranean
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonbuk, Jeonnam, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



026 | *Spergularia rubra* J. Presl & C. Presl Caryophyllaceae

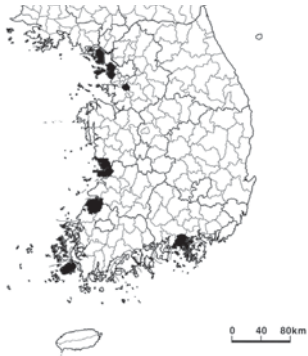
Yu-reop-gae-mi-ja-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam, Jeonnam, Busan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

027 | *Atriplex prostrata* Boucher ex DC. Chenopodiaceae

Chang-myeong-a-ju

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** Europe
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonbuk, Jeonnam, Gyeongnam, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



028 | *Bassia scoparia* (L.) A. J. Scott Chenopodiaceae

Daep-ssa-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1937
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

029 | *Chenopodium album* L.

Chenopodiaceae

Huin-myeong-a-ju

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Europe
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

030 | *Chenopodium ficifolium* Sm.

Chenopodiaceae

Jom-myeong-a-ju

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

031 | *Chenopodium glaucum* L.

Chenopodiaceae

Chwi-myeong-a-ju

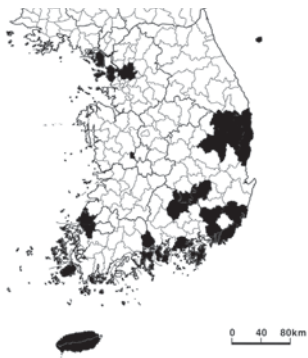
- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 1937
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

032 | *Dysphania ambrosioides* (L.) Mosyakin & Clemants

Chenopodiaceae

Yang-myeong-a-ju

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** America
- **Introduction time** : before 1963
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

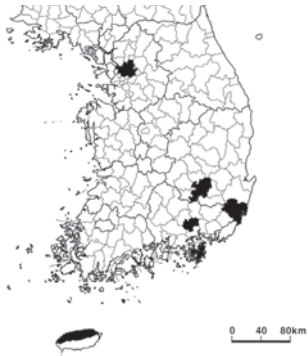


033 | *Dysphania pumilio* (R. Br.) Mosyakin & Clemants

Chenopodiaceae

Naem-sae-myeong-a-ju

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** Australia
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongnam, Seoul, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



034 | *Amaranthus hybridus* L.

Amaranthaceae

Gin-teol-bi-reum

- **Life form** : Annual
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** America
- **Introduction time** : before 2005
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

035 | *Amaranthus patulus* Bertol.

Amaranthaceae

Ga-neun-teol-bi-reum

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** America (tropic zone)
- **Introduction time** : before 1994
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

036 | *Amaranthus powellii* S. Watson

Amaranthaceae

Min-teol-bi-reum

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Oct.
- **Origin :** North America
- **Introduction time** : before 2014
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

037 | *Amaranthus spinosus* L.

Amaranthaceae

Ga-si-bi-reum

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** America
- **Introduction time** : before 1969
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

038 | *Amaranthus viridis* L.

Amaranthaceae

Cheong-bi-reum

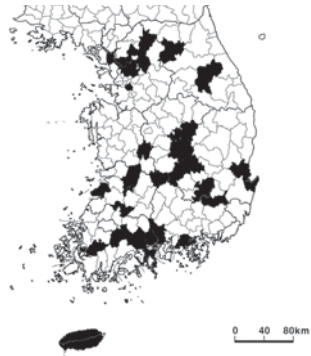
- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** South America
- **Introduction time** : before 1937
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Daejeon, Gwangju, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

039 | *Celosia argentea* L.

Amaranthaceae

Gae-maen-deu-ra-mi

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** Asia (India)
- **Introduction time** : before 1911
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Daejeon, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

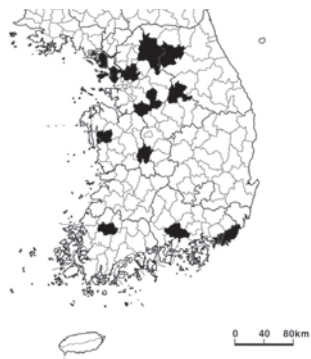


040 | *Magnolia obovata* Thunb.

Magnoliaceae

Il-bon-mong-nyeon

- **Life form** : Tree
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Asia (Japan)
- **Introduction time** : before 1920
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonnam, Gyeongnam, Seoul, Daejeon, Gwangju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



041 | *Ranunculus muricatus* L.

Ranunculaceae

Yu-reop-mi-na-ri-a-jae-bi

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

042 | *Mahonia japonica* (Thunb.) DC.

Berberidaceae

Ppul-nam-cheon

- **Life form** : Shrub
- **Flowering and fruiting period** : Mar.-Apr.
- **Origin :** Asia (China)
- **Introduction time** : before 1970
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Chungnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

043 | *Hypericum perforatum* L.

Guttiferae

Seo-yang-go-chu-na-mul

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1999
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

044 | *Fumaria officinalis* L.

Fumariaceae

Dung-geun-bit-sal-hyeon-ho-saek

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Europe
- **Introduction time** : before 2007
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

045 | *Papaver dubium* L.

Papaveraceae

Jom-yang-gwi-bi

- **Life form** : Annual
- **Flowering and fruiting period** : May-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 1998
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

046 | *Papaver rhoeas* L.

Papaveraceae

Gae-yang-gwi-bi

- **Life form** : Annual
- **Flowering and fruiting period** : May-Sep.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1922
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gangwon, Gyeongnam, Seoul, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

047 | *Alliaria petiolata* (M. Bieb.) Cavara & Grande Cruciferae

Ma-neul-naeng-i

- **Life form** : Biennial
- **Flowering and fruiting period** : Apr.-Jul.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 2012
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

048 | *Barbarea verna* (Mill.) Asch. Cruciferae

Bom-na-do-naeng-i

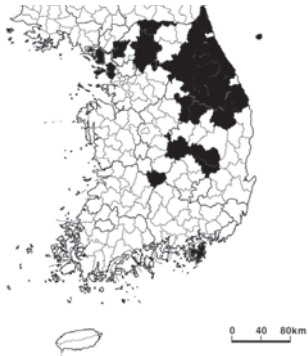
- **Life form** : Biennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Eurasia, Africa
- **Introduction time** : before 2012
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Busan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

049 | *Barbarea vulgaris* R. Br.

Cruciferae

Yu-reop-na-do-naeng-i

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonbuk, Gyeongbuk, Incheon
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



050 | *Cakile edentula* (Bigelow) Hook.

Cruciferae

Seo-yang-gaet-naeng-i

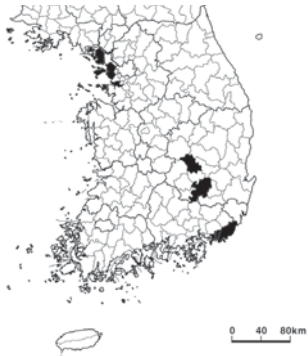
- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America
- **Introduction time** : before 2008
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

051 | *Camelina microcarpa* Andrz. ex DC.

Cruciferae

Jom-a-ma-naeng-i

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1922
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gyeongbuk, Incheon, Busan, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

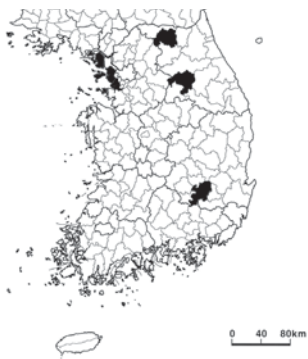


052 | *Chorispora tenella* (Pall.) DC.

Cruciferae

Ppul-naeng-i

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Incheon, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



053 | *Diplotaxis muralis* (L.) DC.

Cruciferae

Mo-rae-naeng-i

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Eurasia, Africa
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

054 | *Lepidium bonariense* L.

Cruciferae

Guk-wa-ip-da-dak-naeng-i

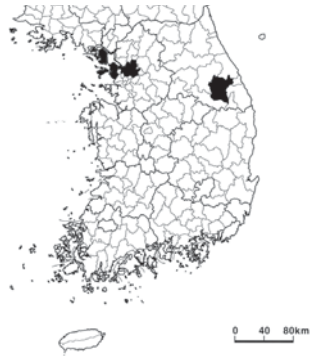
- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** South America
- **Introduction time** : before 2001
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongnam, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

055 | *Lepidium campestre* (L.) W. T. Aiton

Cruciferae

Deul-da-dak-naeng-i

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 1999
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

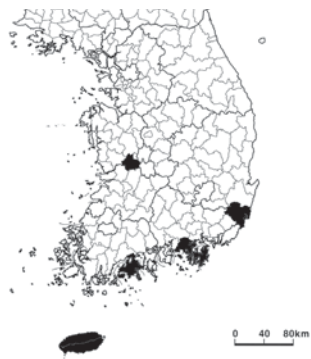


056 | *Lepidium didymum* L.

Cruciferae

Naem-sae-naeng-i

- **Life form** : Annual
- **Flowering and fruiting period** : May-Oct.
- **Origin :** South America
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam, Jeonnam, Gyeongnam, Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

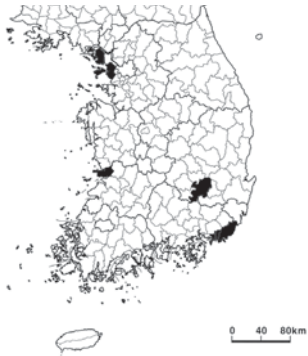


057 | *Lepidium draba* L.

Cruciferae

Keun-ip-da-dak-naeng-i

- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 2001
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk, Incheon, Busan, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



058 | *Lepidium perfoliatum* L.

Cruciferae

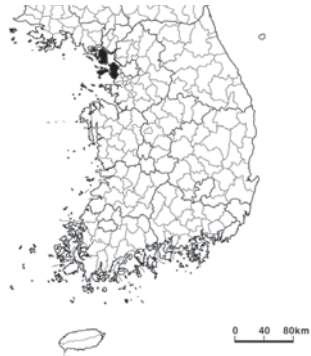
Dae-bu-do-naeng-i

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1970
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Seoul, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

059 | *Lepidium pinnatifidum* Ledeb. Cruciferae

Teol-da-dak-naeng-i

- **Life form** : Annual or Perennial
- **Flowering and fruiting period** : Apr.-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



060 | *Lepidium virginicum* L. Cruciferae

Kong-da-dak-naeng-i

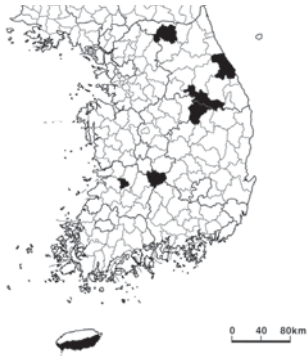
- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** North America
- **Introduction time** : before 1970
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Gwangju, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

061 | *Nasturtium officinale* R. Br.

Cruciferae

Mul-naeng-i

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1963
- **Introduction characteristics** : Intentional introduction (edible)
- **Distribution (South Korea)** : Gangwon, Chungbuk, Jeonbuk, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



062 | *Rorippa sylvestris* (L.) Besser

Cruciferae

Ga-sae-ip-gae-gat-naeng-i

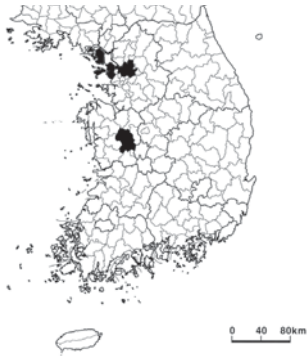
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 2003
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

063 | *Sinapis arvensis* L.

Cruciferae

Deul-gat

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



064 | *Sisymbrium altissimum* L.

Cruciferae

Ga-neun-ip-teol-naeng-i

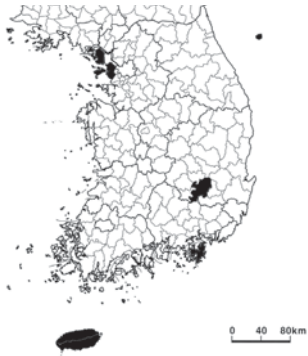
- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

065 | *Sisymbrium officinale* (L.) Scop.

Cruciferae

Yu-reop-jang-dae

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongbuk, Gyeongnam, Incheon, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

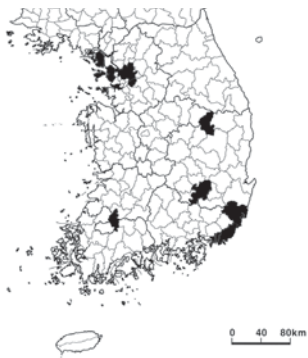


066 | *Sisymbrium orientale* L.

Cruciferae

Gin-gat-naeng-i

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Jeonnam, Gyeongbuk, Seoul, Incheon, Busan, Ulsan, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

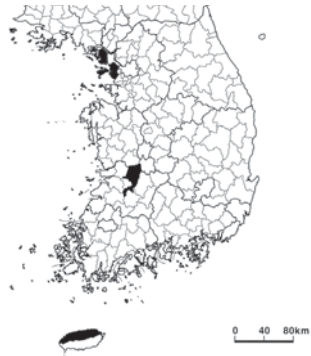


067 | *Sedum mexicanum* Britton

Crassulaceae

Mek-si-ko-dol-na-mul

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** North America (Mexico)
- **Introduction time** : before 1996
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeonbuk, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

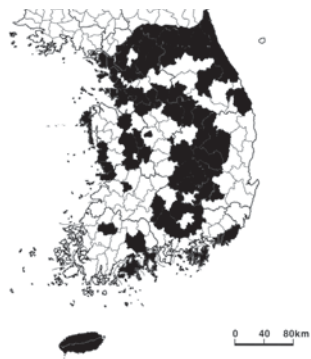


068 | *Potentilla supina* L.

Rosaceae

Gae-so-si-rang-gae-bi

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Aug.
- **Origin :** subtropical zone (the northern hemisphere)
- **Introduction time** : before 1937
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Gwangju, Busan, Daegu, Jeju
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

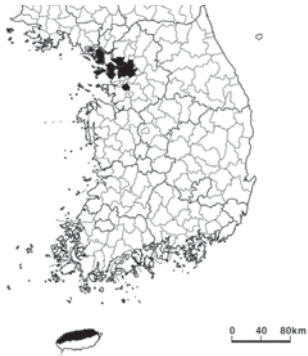


069 | *Rubus fruticosus* L.

Rosaceae

Seo-yang-san-ttal-gi

- **Life form** : Shrub
- **Flowering and fruiting period** : Jun.
- **Origin :** Europe
- **Introduction time** : before 2001
- **Introduction characteristics** : Intentional introduction (edible)
- **Distribution (South Korea)** : Gangwon, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



070 | *Amorpha fruticosa* L.

Leguminosae

Jok-je-bi-ssa-ri

- **Life form** : Shrub
- **Flowering and fruiting period** : May-Jun.
- **Origin :** North America
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (erosion control)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

071 | *Astragalus sinicus* L.

Leguminosae

Ja-un-yeong

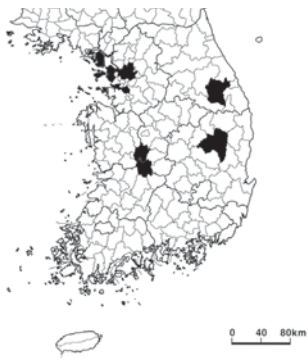
- **Life form** : Biennial
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Asia (China)
- **Introduction time** : before 1937
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Incheon, Daejeon, Gwangju, Daegu, Jeju
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

072 | *Lespedeza lichiyuniae* T. Nemoto, H. Ohashi & T. Itoh

Leguminosae

Ja-ju-bi-su-ri

- **Life form** : Shrub
- **Flowering and fruiting period** : Aug.-Sep.
- **Origin :** Asia (China)
- **Introduction time** : before 2008
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Gyeongbuk, Seoul, Incheon, Daejeon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant, invasion into interior forest

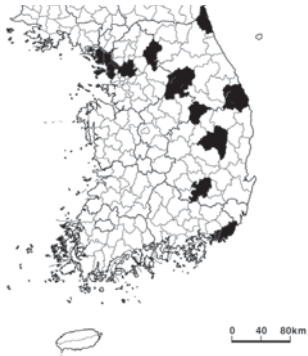


073 | *Lotus corniculatus* L.

Leguminosae

Seo-yang-beol-no-rang-i

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Sep.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonnam, Gyeongbuk, Seoul, Incheon, Busan, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

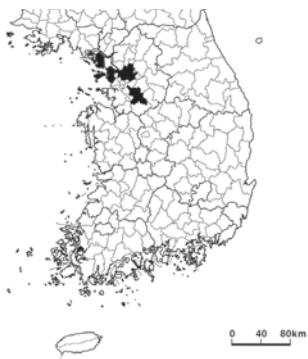


074 | *Lotus pedunculatus* Cav.

Leguminosae

Deul-beol-no-rang-i

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Europe
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Jeonnam, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

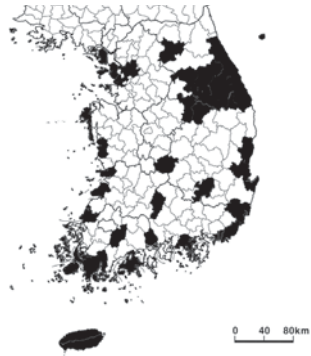


075 | *Medicago lupulina* L.

Leguminosae

Jan-gae-ja-ri

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

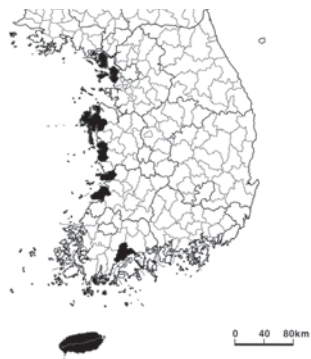


076 | *Medicago minima* (L.) L.

Leguminosae

Jom-gae-ja-ri

- **Life form** : Annual
- **Flowering and fruiting period** : May-Aug.
- **Origin :** Eurasia, Africa
- **Introduction time** : before 1997
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam, Jeonbuk, Jeonnam, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

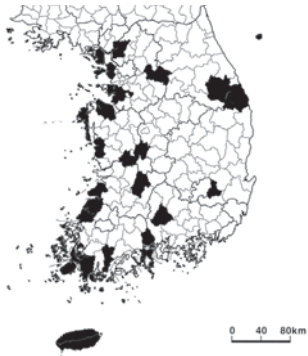


077 | *Medicago polymorpha* L.

Leguminosae

Gae-ja-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1937
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Incheon, Daejeon, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



078 | *Medicago sativa* L.

Leguminosae

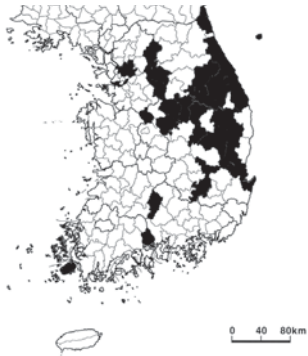
Ja-ju-gae-ja-ri

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** the Mediterranean
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

079 | *Melilotus albus* Medik. Leguminosae

Huin-jeon-dong-ssa-ri

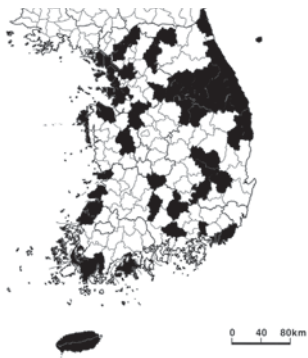
- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonnam, Gyeongbuk, Seoul, Daegu
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



080 | *Melilotus suaveolens* Ledeb. Leguminosae

Jeon-dong-ssa-ri

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

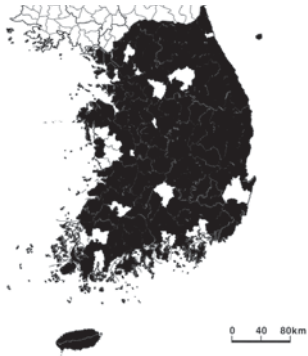


081 | *Robinia pseudoacacia* L.

Leguminosae

A-kka-si-na-mu

- **Life form** : Tree
- **Flowering and fruiting period** : May-Jun.
- **Origin :** North America
- **Introduction time** : before 1922
- **Introduction characteristics** : Intentional introduction (fuel)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

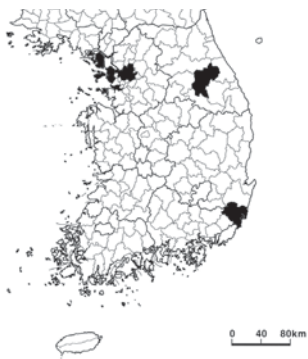


082 | *Securigera varia* (L.) Lassen

Leguminosae

Wang-gwan-gal-kwi-na-mul

- **Life form** : Annual
- **Flowering and fruiting period** : May-Aug.
- **Origin :** Eurasia, Africa
- **Introduction time** : before 2009
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Seoul, Incheon, Ulsan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



083 | *Trifolium campestre* Schreb.

Leguminosae

No-rang-to-kki-pul

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Jeonnam, Gyeongbuk, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

084 | *Trifolium dubium* Sibth.

Leguminosae

Ae-gi-no-rang-to-kki-pul

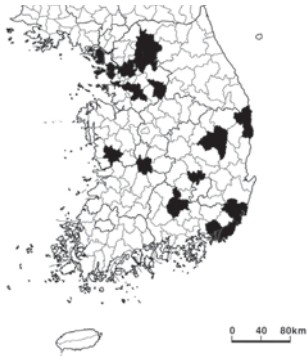
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk, Jeonnam, Seoul, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

085 | *Trifolium hybridum* L.

Leguminosae

Seon-to-kki-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



086 | *Trifolium incarnatum* L.

Leguminosae

Jin-hong-to-kki-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jul.
- **Origin :** the Mediterranean
- **Introduction time** : before 2008
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

087 | *Trifolium pratense* L.

Leguminosae

Bul-eun-to-kki-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Aug.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1911
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Gwangju, Busan, Daegu, Jeju
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

088 | *Trifolium repens* L.

Leguminosae

To-kki-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Oct.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1911
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

089 | *Trifolium resupinatum* L.

Leguminosae

Geo-kkul-kkot-to-kki-pul

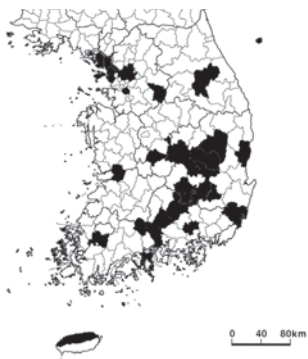
- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 2014
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Jeonnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

090 | *Vicia villosa* Roth

Leguminosae

Bet-ji

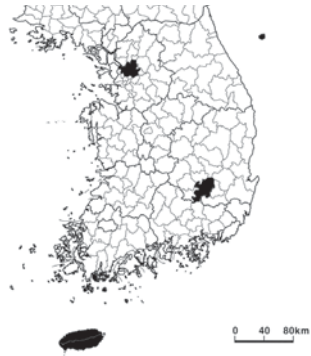
- **Life form** : Biennial (vine)
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1969
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Ulsan, Daegu
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



091 | *Vicia villosa* subsp. *varia* (Host) Corb. Leguminosae

Gak-si-gal-kwi-na-mul

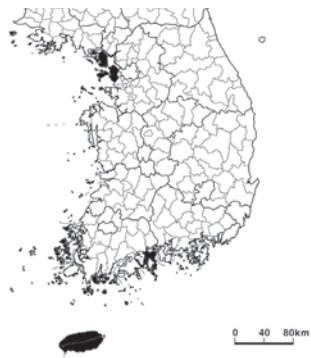
- **Life form** : Biennial (vine)
- **Flowering and fruiting period** : May-Aug.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1997
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam, Gyeongbuk, Seoul, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



092 | *Oxalis articulata* Savigny Oxalidaceae

Deong-i-gwaeng-i-bap

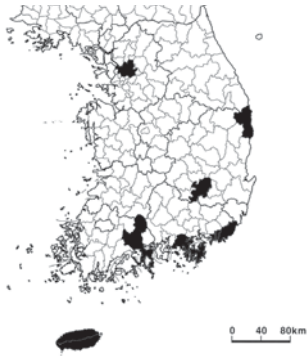
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Sep.
- **Origin :** South America
- **Introduction time** : before 1994
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeonnam, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



093 | *Oxalis debilis* var. *corymbosa* (DC.) Lourteig Oxalidaceae

Ja-ju-gwaeng-i-bap

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Oct.
- **Origin :** South America
- **Introduction time** : before 1963
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Busan, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



094 | *Oxalis dillenii* Jacq. Oxalidaceae

Deul-gwaeng-i-bap

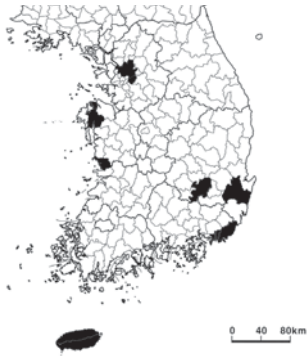
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Nov.
- **Origin :** North America
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Jeonnam, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

095 | *Erodium cicutarium* (L.) L'He′r.

Geraniaceae

Se-yeor-yu-reop-jwi-son-i

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Gyeongbuk, Seoul, Busan, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

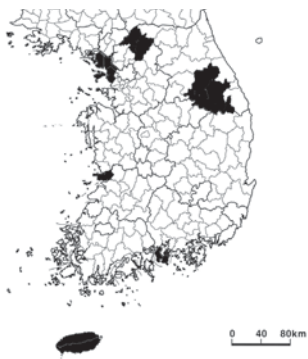


096 | *Geranium carolinianum* L.

Geraniaceae

Mi-guk-jwi-son-i

- **Life form** : Annual
- **Flowering and fruiting period** : May-Aug.
- **Origin :** North America
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonbuk, Gyeongnam, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



097 | *Geranium dissectum* L.

Geraniaceae

Se-yeol-mi-guk-jwi-son-i

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Europe
- **Introduction time** : before 2015
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

098 | *Linum virginianum* L.

Linaceae

No-rang-gae-a-ma

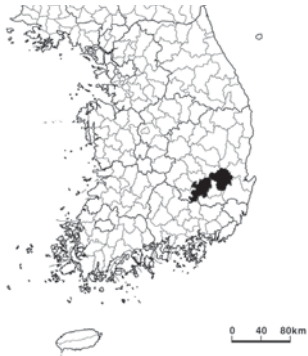
- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** North America
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Daejeon, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

099 | *Euphorbia dentata* Michx.

Euphorbiaceae

Top-ni-dae-geuk

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** North America
- **Introduction time** : before 2009
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongbuk, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



100 | *Euphorbia heterophylla* L.

Euphorbiaceae

A-me-ri-ka-dae-geuk

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** America (tropic zone)
- **Introduction time** : before 2011
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Busan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

101 | *Euphorbia hirta* L.

Euphorbiaceae

Teol-ttang-bin-dae

- **Life form** : Annual
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** Asia (India)
- **Introduction time** : before 2011
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

102 | *Euphorbia maculata* L.

Euphorbiaceae

Keun-ttang-bin-dae

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Incheon, Daegu, Jeju
- **Degree of spread** : Ⅲ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

103 | *Euphorbia supina* Raf.

Euphorbiaceae

Ae-gi-ttang-bin-dae

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** North America
- **Introduction time** : before 1937
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅳ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

104 | *Euphorbia prostrata* Aiton

Euphorbiaceae

Nu-un-ttang-bin-dae

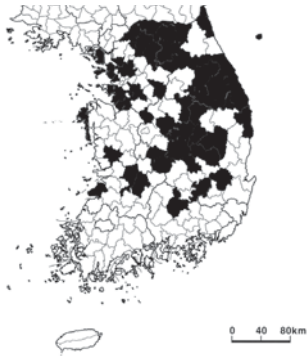
- **Life form** : Annual
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** America (tropic zone)
- **Introduction time** : before 2008
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

105 | *Hibiscus trionum* L.

Malvaceae

Su-bak-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Oct.
- **Origin :** the Mediterranean
- **Introduction time** : before 1898
- **Introduction characteristics** :Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daegu
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



106 | *Malva neglecta* Wallr.

Malvaceae

Nan-jaeng-i-a-uk

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam, Gyeongbuk, Gyeongnam, Incheon, Busan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

107 | *Malva parviflora* L.

Malvaceae

Ae-gi-a-uk

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 2000
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

108 | *Malva pusilla* Sm.

Malvaceae

Dung-geun-ip-a-uk

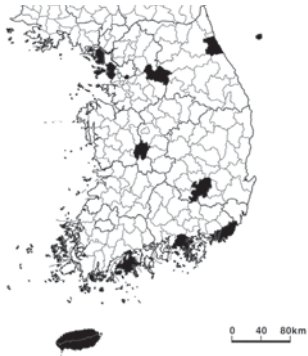
- **Life form** : Annual
- **Flowering and fruiting period** : May-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

109 | *Malva sylvestris* L.

Malvaceae

Dang-a-uk

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1922
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam, Gyeongbuk, Gyeongnam, Incheon, Daejeon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



110 | *Modiola caroliniana* (L.) G. Don

Malvaceae

Guk-hwa-ip-a-uk

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** South America
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

111 | *Sida rhombifolia* L.

Malvaceae

Na-do-gong-dan-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** South Asia
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

112 | *Sida spinosa* L.

Malvaceae

Gong-dan-pul

- **Life form** : Biennial
- **Flowering and fruiting period** : Aug.-Sep.
- **Origin :** America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

113 | *Elaeagnus pungens* Thunb.

Elaeagnaceae

Tong-yeong-bol-le-na-mu

- **Life form** : Shrub
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** Asia (China, Japan)
- **Introduction time** : before 2005
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Chungnam, Gyeongnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant, invasion into interior forest

114 | *Viola arvensis* Murray

Violaceae

Ya-saeng-paen-ji

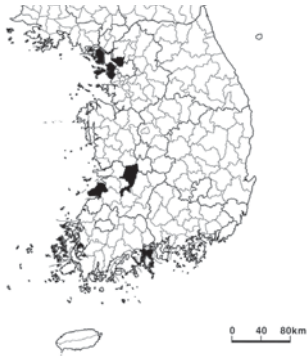
- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 2000
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

115 | *Viola papilionacea* Pursh

Violaceae

Jong-ji-na-mul

- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** North America
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Jeonbuk, Jeonnam, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

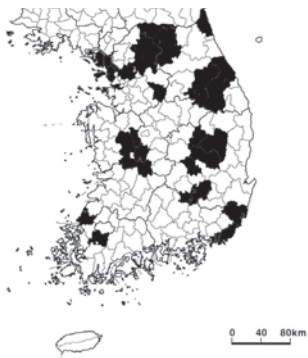


116 | *Sicyos angulatus* L.

Cucurbitaceae

Ga-si-bak

- **Life form** : Annual (vine)
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America
- **Introduction time** : before 1994
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonnam, Gyeongbuk, Seoul, Incheon, Daejeon, Busan, Ulsan, Daegu
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



117 | *Ammannia coccinea* Rottb.

Lythraceae

Mi-guk-jom-bu-cheo-kkot

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** North America
- **Introduction time** : before 2002
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

118 | *Oenothera biennis* L.

Onagraceae

Dal-mat-i-kkot

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America
- **Introduction time** : before 1922
- **Introduction characteristics** : Intentional introduction (medicinal)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

119 | *Oenothera laciniata* Hill

Onagraceae

Ae-gi-dal-mat-i-kkot

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** North America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk, Jeonnam, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

120 | *Oenothera rosea* L'Hér. ex Aiton

Onagraceae

Ae-gi-bun-hong-nat-dal-mat-i-kkot

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Nov.
- **Origin :** North America
- **Introduction time** : before 2014
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeongnam, Busan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

121 | *Oenothera stricta* Ledeb. ex Link

Onagraceae

Gin-ip-dal-mat-i-kkot

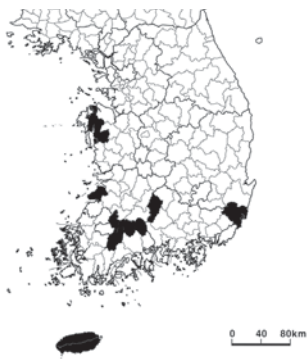
- **Life form** : Biennial
- **Flowering and fruiting period** : May-Aug.
- **Origin :** South America
- **Introduction time** : before 1956
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

122 | *Oenothera* × *erythrosepala* Borbás

Onagraceae

Keun-dal-mat-i-kkot

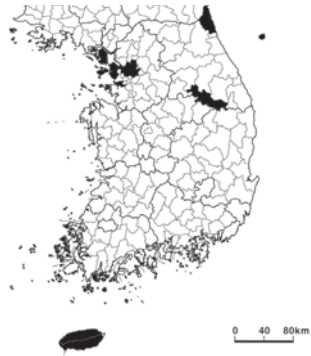
- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Europe
- **Introduction time** : before 1963
- **Introduction characteristics** : Intentional introduction (medicinal)
- **Distribution (South Korea)** : Chungnam, Jeonbuk, Jeonnam, Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



123 | *Anthriscus caucalis* M. Bieb. Umbelliferae

Yu-reop-jeon-ho

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 1999
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam, Gyeongbuk, Seoul, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



124 | *Chaerophyllum tainturieri* Hook. Umbelliferae

Jeon-ho-a-jae-bi

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-May
- **Origin :** North America
- **Introduction time** : before 2012
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

125 | *Conium maculatum* L.

Umbelliferae

Na-do-dok-mi-na-ri

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** the Mediterranean
- **Introduction time** : before 1999
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Gyeongnam, Busan, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

126 | *Cyclospermum leptophyllum* (Pers.) Sprague ex Britton & P. Wilson

Umbelliferae

Sor-ip-mi-na-ri

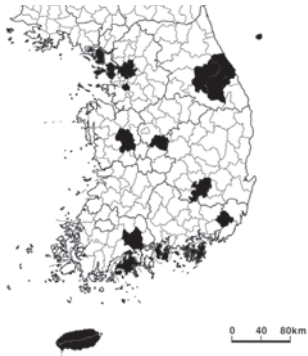
- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** South America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

127 | *Foeniculum vulgare* Mill.

Umbelliferae

Hoe-hyang

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** the Mediterranean
- **Introduction time** : before 1937
- **Introduction characteristics** : Intentional introduction (edible)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

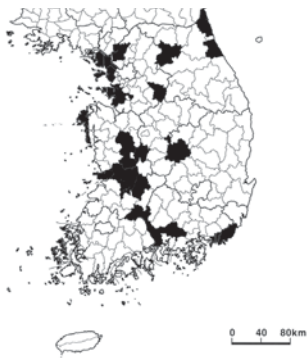


128 | *Diodella teres* (Walter) Small

Rubiaceae

Baek-nyeong-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Incheon, Daejeon, Busan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



129 | *Diodia virginiana* L.

Rubiaceae

Keun-baek-nyeong-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** North America
- **Introduction time** : before 2000
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

130 | *Oldenlandia corymbosa* L.

Rubiaceae

San-bang-baek-un-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** Asia, Africa (tropic zone)
- **Introduction time** : before 2009
- **Introduction characteristics** : Intentional introduction (medicinal)
- **Distribution (South Korea)** : Jeonnam, Gyeongbuk, Daejeon, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

131 | *Sherardia arvensis* L.

Rubiaceae

Kkot-gal-kwi-deong-gul

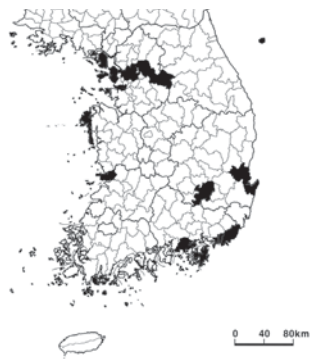
- **Life form** : Biennial
- **Flowering and fruiting period** : Apr.-Jul.
- **Origin :** Europe
- **Introduction time** : before 2007
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Seoul, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

132 | *Convolvulus arvensis* L.

Convolvulaceae

Seo-yang-me-kkot

- **Life form** : Perennial (vine)
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



133 | *Cuscuta pentagona* Engelm. Convolvulaceae

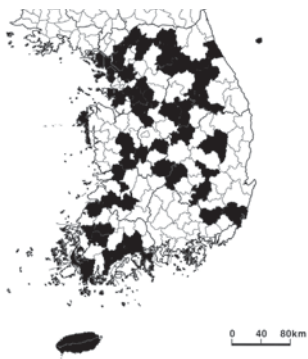
Mi-guk-sil-sae-sam

- **Life form** : Annual (vine)
- **Flowering and fruiting period** : Aug.-Sep.
- **Origin :** America
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

134 | *Ipomoea cholulensis* Kunth Convolvulaceae

Dung-geun-ip-yu-hong-cho

- **Life form** : Annual (vine)
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** America (tropic zone)
- **Introduction time** : before 1922
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Gwangju, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

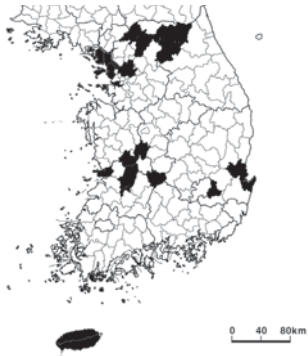


135 | *Ipomoea lacunosa* L.

Convolvulaceae

Ae-gi-na-pal-kkot

- **Life form** : Annual (vine)
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** North America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Seoul, Incheon, Daejeon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



136 | *Ipomoea nil* (L.) Roth

Convolvulaceae

Na-pal-kkot

- **Life form** : Annual (vine)
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** South America
- **Introduction time** : before 1937
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization

137 | *Ipomoea purpurea* (L.) Roth

Convolvulaceae

Dung-geun-ip-na-pal-kkot

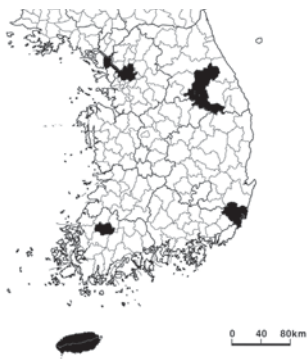
- **Life form** : Annual (vine)
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** America
- **Introduction time** : before 1922
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

138 | *Ipomoea triloba* L.

Convolvulaceae

Byeol-na-pal-kkot

- **Life form** : Annual (vine)
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** America (tropic zone)
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Seoul, Gwangju, Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

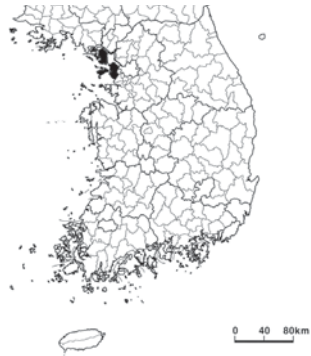


139 | *Asperugo procumbens* L.

Boraginaceae

Gal-kwi-ji-chi

- **Life form** : Annual
- **Flowering and fruiting period** : May-Sep.
- **Origin :** Eurasia, Africa
- **Introduction time** : before 2014
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



140 | *Symphytum officinale* L.

Boraginaceae

Keom-peu-ri

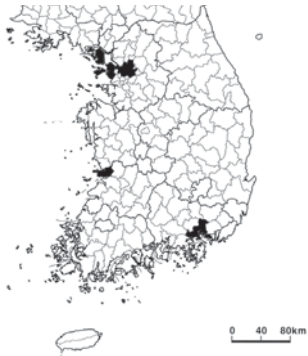
- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Europe
- **Introduction time** : before 1980
- **Introduction characteristics** : Intentional introduction (medicinal)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Ulsan, Daegu
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

141 | *Verbena bonariensis* L.

Verbenaceae

Beo-deul-ma-pyeon-cho

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** South America
- **Introduction time** : before 2001
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk, Gyeongnam, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



142 | *Verbena brasiliensis* Vell.

Verbenaceae

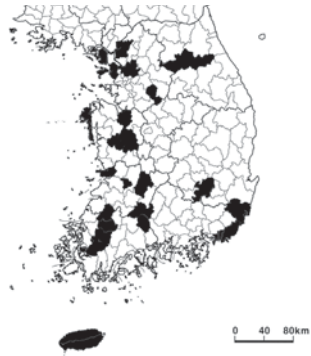
Beu-ra-jil-ma-pyeon-cho

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** South America
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Busan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

143 | *Lamium purpureum* L. Labiatae

Ja-ju-gwang-dae-na-mul

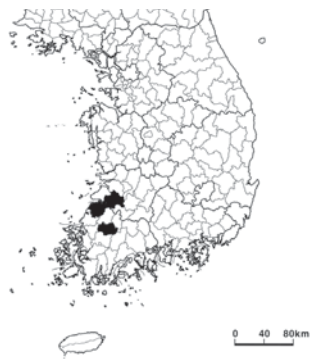
- **Life form** : Biennial
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Eurasia
- **Introduction time** : before 2000
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Seoul, Incheon, Gwangju, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



144 | *Lamium purpureum* var. *hybridum* (Vill.) Vill. Labiatae

Yu-reop-gwang-dae-na-mul

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Europe
- **Introduction time** : before 2012
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk, Gwangju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

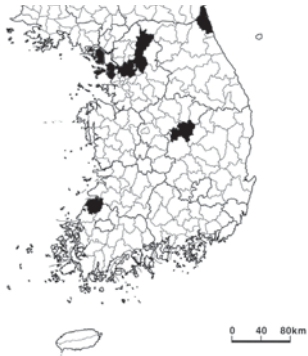


145 | *Datura innoxia* Mill.

Solanaceae

Teol-dok-mal-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** America
- **Introduction time** : before 1980
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonbuk, Gyeongbuk, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

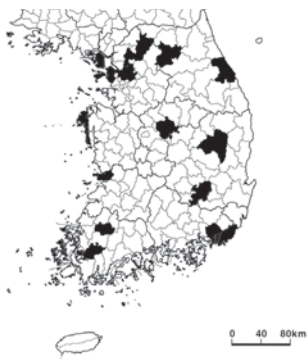


146 | *Datura stramonium* L.

Solanaceae

Huin-dok-mal-pul

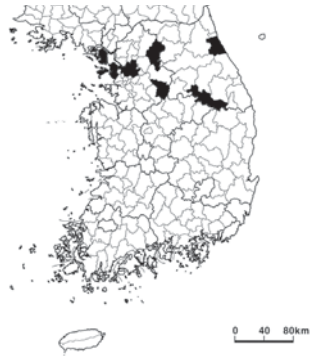
- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America (Mexico)
- **Introduction time** : before 1922
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Gwangju, Busan, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



147 | *Nicandra physalodes* (L.) Gaertn. Solanaceae

Pe-ru-kkwa-ri

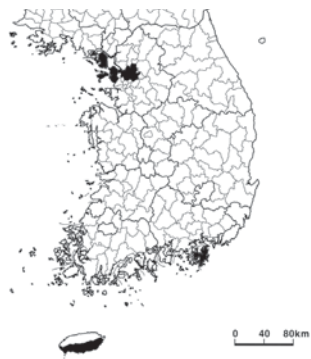
- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** South America (Peru)
- **Introduction time** : before 2001
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



148 | *Physalis acutifolia* (Miers) Sandwith Solanaceae

No-ran-kkot-ttang-kkwa-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America
- **Introduction time** : before 1999
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongnam, Seoul, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

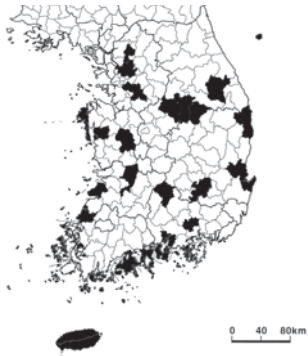


149 | *Physalis angulata* L.

Solanaceae

Ttang-kkwa-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** America
- **Introduction time** : before 1937
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

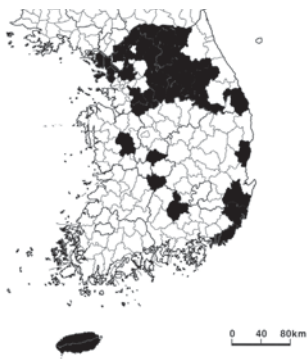


150 | *Solanum americanum* Mill.

Solanaceae

Mi-guk-kka-ma-jung

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Oct.
- **Origin :** America
- **Introduction time** : before 1994
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

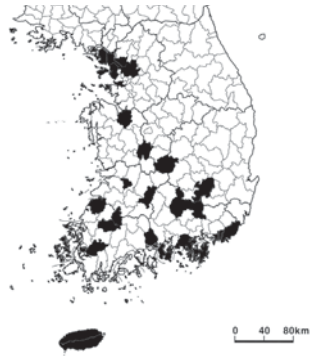


151 | *Solanum carolinense* L.

Solanaceae

Do-kkae-bi-ga-ji

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Sep.
- **Origin :** North America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongnam, Seoul, Incheon, Daejeon, Gwangju, Busan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

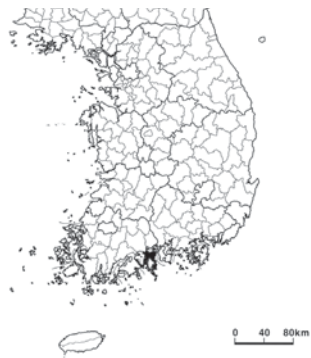


152 | *Solanum elaeagnifolium* Cav.

Solanaceae

Eun-bit-kka-ma-jung

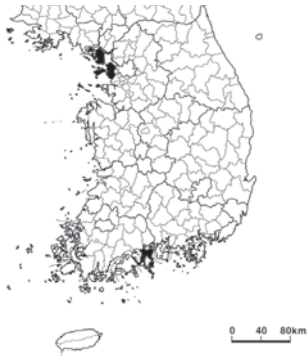
- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Aug.
- **Origin :** North America
- **Introduction time** : before 2014
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



153 | *Solanum sarachoides* Sendtn. Solanaceae

Teol-kka-ma-jung

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** South America
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



154 | *PSolanum viarum* Dunal Solanaceae

Wang-do-kkae-bi-ga-ji

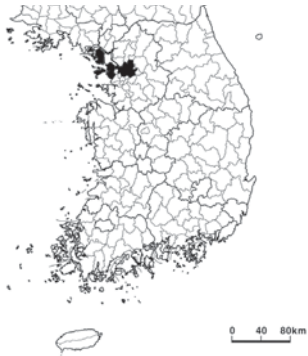
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Sep.
- **Origin :** South America
- **Introduction time** : before 2001
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

155 | *Cymbalaria muralis* G.Gaertn., B.Mey. & Scherb.

Scrophulariaceae

Deong-gul-hae-ran-cho

- **Life form** : Annual (vine)
- **Flowering and fruiting period** : May-Sep.
- **Origin :** Europe
- **Introduction time** : before 2009
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

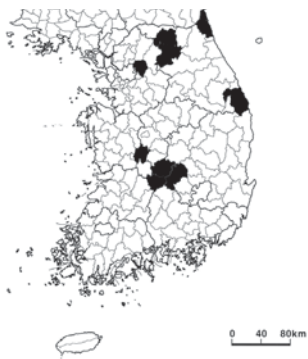


156 | *Lindernia dubia* (L.) Pennellzbz

Scrophulariaceae

Mi-guk-oe-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** North America
- **Introduction time** : before 1994
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonbuk, Gyeongbuk, Daejeon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

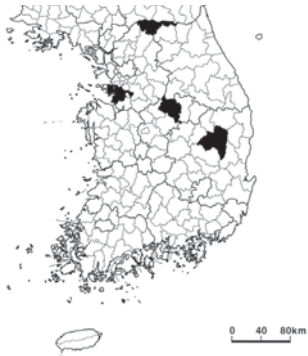


157 | *Lindernia dubia* var. *anagallidea* (Michx.) Cooperr.

Scrophulariaceae

Ga-neun-mi-guk-oe-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Gyeongbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

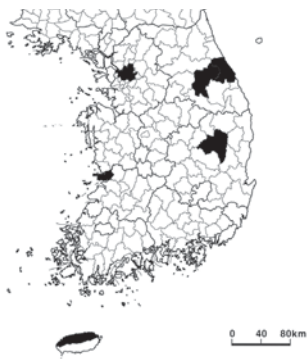


158 | *Verbascum thapsus* L.

Scrophulariaceae

U-dan-dam-bae-pul

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Jeonbuk, Gyeongbuk, Seoul, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



159 | *Veronica americana* Schwein. ex Benth. Scrophulariaceae

Mi-guk-mul-ching-gae

- **Life form** : Biennial
- **Flowering and fruiting period** : Aug.
- **Origin :** America
- **Introduction time** : before 1999
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Jeonbuk, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

160 | *Veronica arvensis* L. Scrophulariaceae

Seon-gae-bur-al-pul

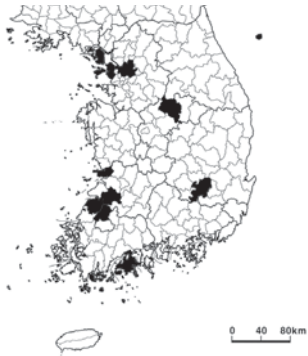
- **Life form** : Annual
- **Flowering and fruiting period** : Mar.-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

161 | *Veronica hederifolia* L.

Scrophulariaceae

Nun-gae-bur-al-pul

- **Life form** : Biennial
- **Flowering and fruiting period** : Mar.-Oct.
- **Origin :** Eurasia
- **Introduction time** : before 1988
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungbuk, Jeonbuk, Jeonnam, Gyeongbuk, Seoul, Incheon, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



162 | *Veronica persica* Poir.

Scrophulariaceae

Keun-gae-bur-al-pul

- **Life form** : Biennial
- **Flowering and fruiting period** : Mar.-Sep.
- **Origin :** Southwest Asia
- **Introduction time** : before 1963
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

163 | *Veronica serpyllifolia* L. Scrophulariaceae

Jom-gae-bur-al-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Europe
- **Introduction time** : before 2006
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

164 | *Nuttallanthus canadensis* (L.) D. A. Sutton Plantaginaceae

Sor-ip-hae-ran-cho

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jul.
- **Origin :** North America
- **Introduction time** : before 2012
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

165 | *Plantago aristata* Michx.

Plantaginaceae

Gin-po-kkot-jil-gyeong-i

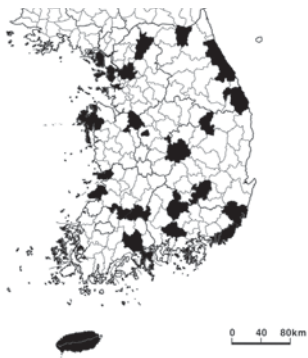
- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** North America
- **Introduction time** : before 2005
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gyeongbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

166 | *Plantago lanceolata* L.

Plantaginaceae

Chang-jil-gyeong-i

- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Nov.
- **Origin :** Eurasia, Africa
- **Introduction time** : before 1936
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

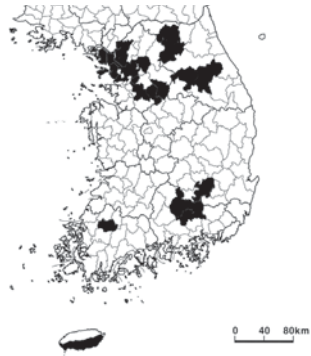


167 | *Plantago virginica* L.

Plantaginaceae

Mi-guk-jil-gyeong-i

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** North America
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam, Gyeongnam, Seoul, Incheon, Gwangju, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

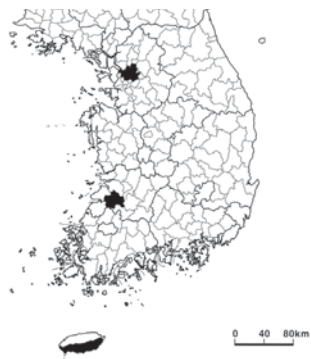


168 | *Valerianella locusta* (L.) Laterr.

Valerianaceae

Sang-chi-a-jae-bi

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Europe
- **Introduction time** : before 2003
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk, Seoul, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



169 | *Triodanis perfoliata* (L.) Nieuwl. Campanulaceae

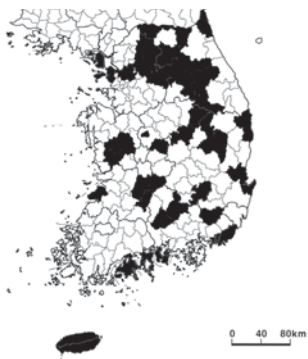
Bi-neo-seu-do-ra-ji

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Aug.
- **Origin :** North America
- **Introduction time** : before 2009
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

170 | *Achillea millefolium* L. Compositae

Seo-yang-top-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia, North America
- **Introduction time** : before 1969
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

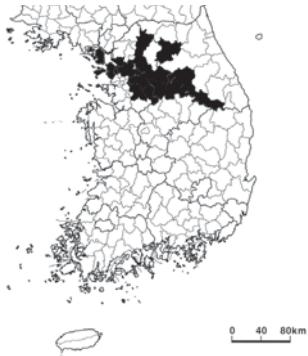


171 | *Ageratina altissima* (L.) R. M. King & H. Rob.

Compositae

Seo-yang-deung-gol-na-mul

- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** North America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

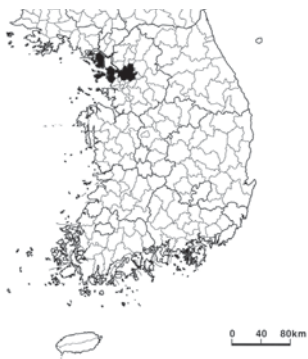


172 | *Ageratum conyzoides* L.

Compositae

Deung-gol-na-mul-a-jae-bi

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** America (tropic zone)
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongnam, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



173 | *Ambrosia artemisiifolia* L.

Compositae

Dwae-ji-pul

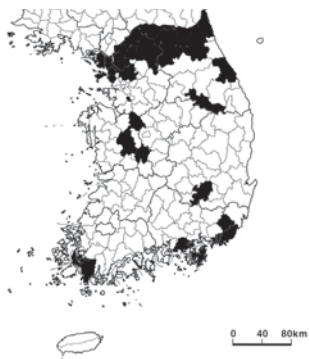
- **Life form** : Annual
- **Flowering and fruiting period** : Aug.-Sep.
- **Origin :** North America
- **Introduction time** : before 1963
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

174 | *Ambrosia trifida* L.

Compositae

Dan-pung-ip-dwae-ji-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** North America
- **Introduction time** : before 1974
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonnam, Gyeongnam, Seoul, Incheon, Daejeon, Busan
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

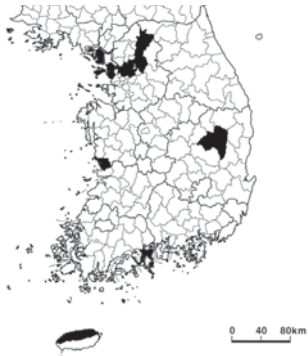


175 | *Anthemis arvensis* L.

Compositae

Gil-ttuk-gae-kkot

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Europe
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonnam, Gyeongbuk, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

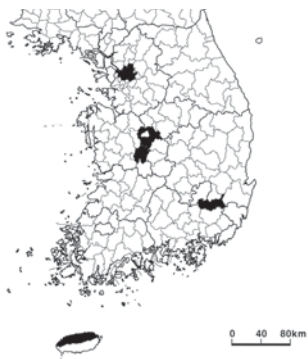


176 | *Anthemis cotula* L.

Compositae

Gae-kkot-a-jae-bi

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungbuk, Gyeongbuk, Seoul, Daejeon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



177 | *Bidens frondosa* L.

Compositae

Mi-guk-ga-mak-sa-ri

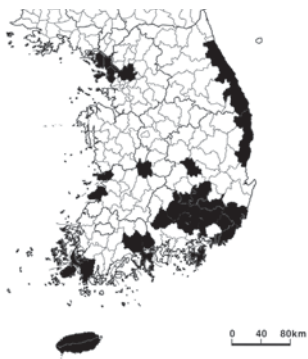
- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America
- **Introduction time** : before 1974
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

178 | *Bidens pilosa* L.

Compositae

Ul-san-do-kkae-bi-ba-neul

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** America
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

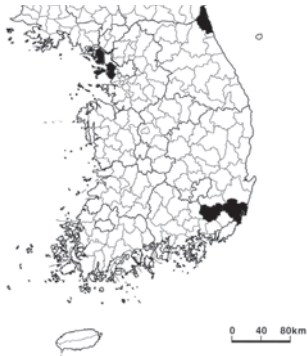


179 | *Bidens polylepis* S. F. Blake

Compositae

No-rang-do-kkae-bi-ba-neul

- **Life form** : Annual
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** North America
- **Introduction time** : before 2009
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gangwon, Gyeongnam, Incheon, Ulsan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant, invasion into interio forest



180 | *Bidens subalternans* DC.

Compositae

Wang-do-kkae-bi-ba-neul

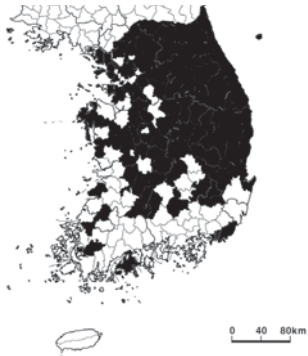
- **Life form** : Annual
- **Flowering and fruiting period** : Aug.-Dec.
- **Origin :** South America
- **Introduction time** : before 2012
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongbuk, Busan, Ulsan, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

181 | *Carduus crispus* L.

Compositae

Ji-neu-reo-mi-eong-geong-kwi

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1937
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Daegu
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

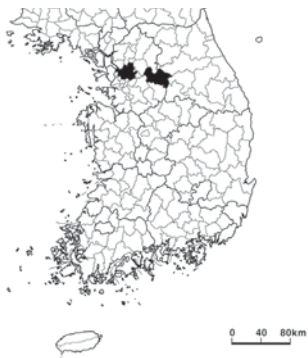


182 | *Carduus nutans* L.

Compositae

Sa-hyang-eong-geong-kwi

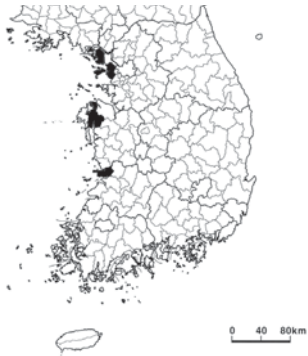
- **Life form** : Biennial
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 2002
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



183 | *Cirsium vulgare* (Savi) Ten. Compositae

Seo-yang-ga-si-eong-geong-kwi

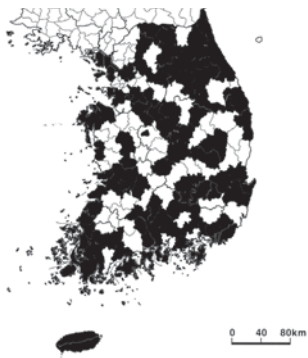
- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Oct.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam, Jeonbuk, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



184 | *Conyza bonariensis* (L.) Cronquist Compositae

Sil-mang-cho

- **Life form** : Biennial
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** South America
- **Introduction time** : before 1922
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



185 | *Conyza canadensis* (L.) Cronquist

Compositae

Mang-cho

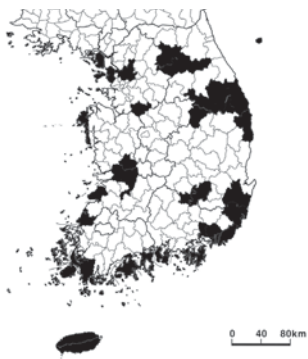
- **Life form** : Biennial
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** North America
- **Introduction time** : before 1922
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

186 | *Conyza sumatrensis* (Retz.) E. Walker

Compositae

Keun-mang-cho

- **Life form** : Biennial
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** South America
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

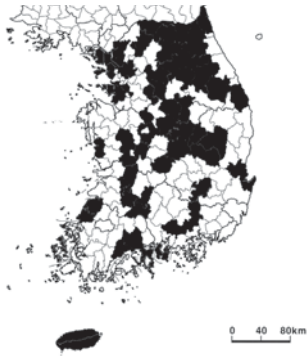


187 | *Coreopsis lanceolata* L.

Compositae

Keun-geum-gye-guk

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Aug.
- **Origin :** North America
- **Introduction time** : before 1963
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

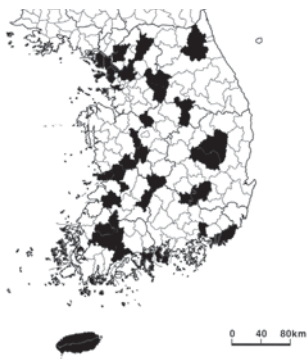


188 | *Coreopsis tinctoria* Nutt.

Compositae

Gi-saeng-cho

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** North America
- **Introduction time** : before 1922
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Gwangju, Busan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



189 | *Cosmos bipinnatus* Cav.

Compositae

Ko-seu-mo-seu

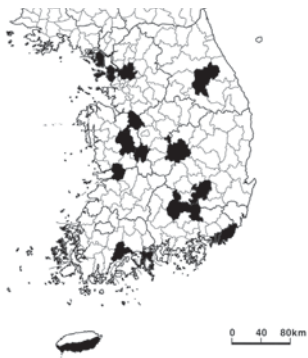
- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Oct.
- **Origin :** North America (Mexico)
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

190 | *Cosmos sulphureus* Cav.

Compositae

No-rang-ko-seu-mo-seu

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** North America (Mexico)
- **Introduction time** : before 1964
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

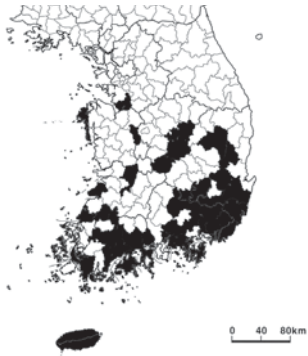


191 | *Crassocephalum crepidioides* (Benth.) S. Moore

Compositae

Ju-hong-seo-na-mul

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** Africa
- **Introduction time** : before 1991
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



192 | *Crepis tectorum* L.

Compositae

Na-do-min-deul-le

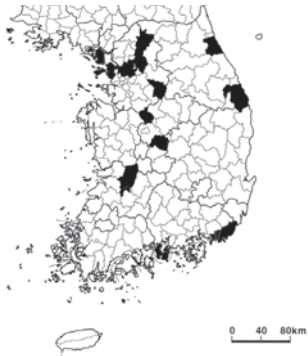
- **Life form** : Annual
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Europe
- **Introduction time** : before 2005
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

193 | *Cyanus segetum* Hill

Compositae

Su-re-guk-hwa

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Europe
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonbuk, Gyeongnam, Seoul, Incheon, Busan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

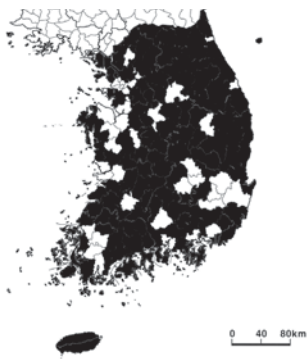


194 | *Erechtites hieracifolia* (L.) Raf.

Compositae

Buk-eun-seo-na-mul

- **Life form** : Annual
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** America (tropic zone)
- **Introduction time** : before 1957
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest



195 | *Erigeron annuus* (L.) Pers. Compositae

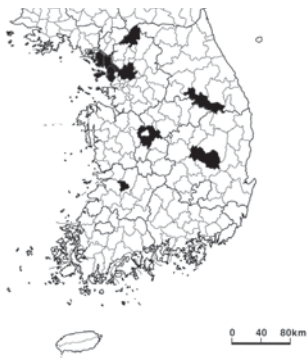
Gae-mang-cho

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** North America
- **Introduction time** : before 1922
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

196 | *Erigeron philadelphicus* L. Compositae

Bom-mang-cho

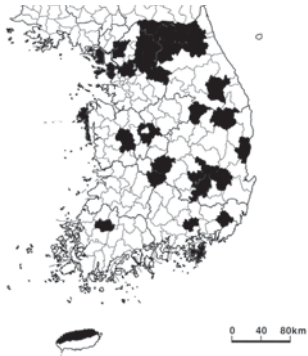
- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** North America
- **Introduction time** : before 1976
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonbuk, Gyeongbuk, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



197 | *Erigeron strigosus* Muhl. ex Willd. Compositae

Ju-geok-gae-mang-cho

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** North America
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Gwangju, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



198 | *Euthamia graminifolia* (L.) Nutt. Compositae

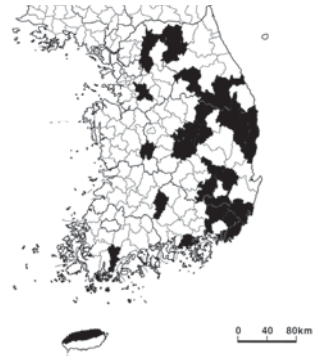
Mi-yeok-chwi-a-jae-bi

- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Sep.
- **Origin :** North America
- **Introduction time** : before 2014
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

199 | *Galinsoga parviflora* Cav. Compositae

Byeol-kkot-a-jae-bi

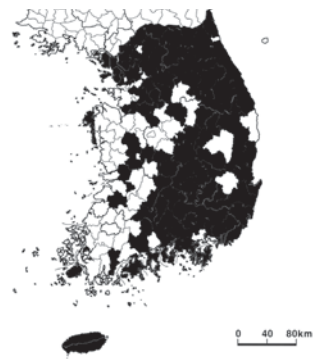
- **Life form** : Annual
- **Flowering and fruiting period** : May-Aug.
- **Origin :** America
- **Introduction time** : before 1982
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonnam, Gyeongbuk, Gyeongnam, Daejeon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



200 | *Galinsoga quadriradiata* Ruiz & Pav. Compositae

Teol-byeol-kkot-a-jae-bi

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** America (tropic zone)
- **Introduction time** : before 1987
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest



201 | *Gamochaeta calviceps* (Fernald) Cabrera Compositae

Seon-pul-som-na-mul

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Sep.
- **Origin :** South America
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungbuk, Jeonbuk, Jeonnam, Gyeongnam, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

202 | *Gamochaeta pensylvanica* (Willd.) Cabrera Compositae

Mi-guk-pul-som-na-mul

- **Life form** : Annual
- **Flowering and fruiting period** : Mar.-May
- **Origin :** America
- **Introduction time** : before 2014
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

203 | *Gamochaeta purpurea* (L.) Cabrera

Compositae

Ja-ju-pul-som-na-mul

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** North America
- **Introduction time** : before 1997
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

204 | *Helianthus debilis* Nutt.

Compositae

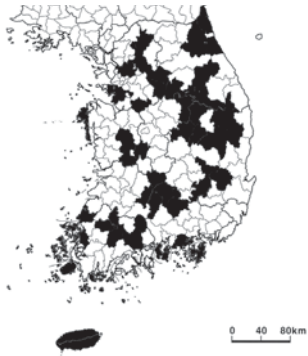
Ae-gi-hae-ba-ra-gi

- **Life form** : Annual or Perennial
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** North America
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

205 | *Helianthus tuberosus* L. Compositae

Ttung-ttan-ji

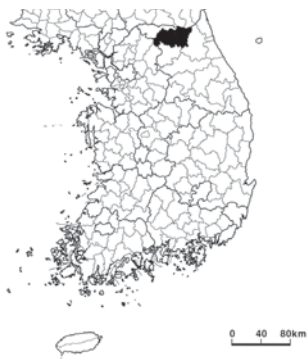
- **Life form** : Perennial
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** North America
- **Introduction time** : before 1911
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Daejeon, Gwangju, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



206 | *Hieracium caespitosum* Dumort. Compositae

Yu-reop-jo-bap-na-mul

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Europe
- **Introduction time** : before 2008
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant, invasion into interior forest

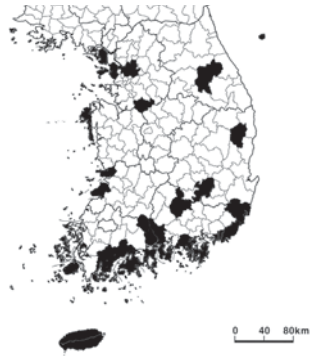


207 | *Hypochaeris radicata* L.

Compositae

Seo-yang-geum-hon-cho

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Europe, North Africa
- **Introduction time** : before 1992
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

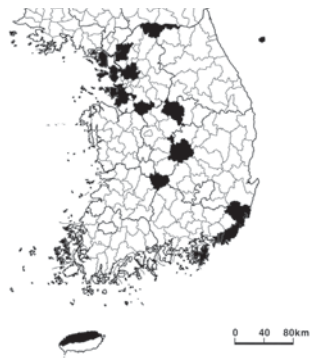


208 | *Lactuca serriola* L.

Compositae

Ga-si-sang-chu

- **Life form** : Biennial
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungbuk, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



209 | *Lapsana communis* L.

Compositae

Seo-yang-gae-bo-ri-ppaeng-i

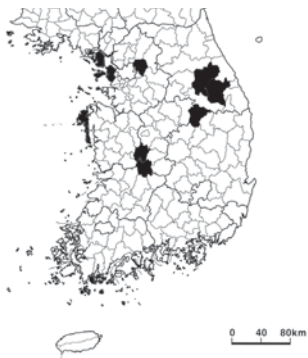
- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia
- **Introduction time** : before 1999
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

210 | *Leucanthemum vulgare* Lam.

Compositae

Bul-lan-seo-guk-hwa

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Aug.
- **Origin :** Europe
- **Introduction time** : before 1963
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonnam, Incheon, Daejeon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

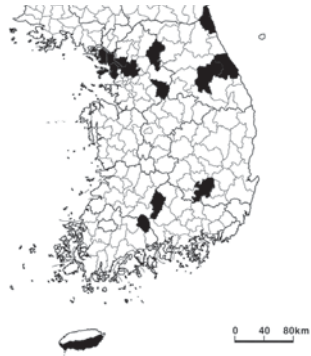


211 | *Matricaria matricarioides* (Less.) Porter

Compositae

Jok-je-bi-ssuk

- **Life form** : Annual
- **Flowering and fruiting period** : May-Aug.
- **Origin :** Northeast Asia, North America
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam, Gyeongnam, Seoul, Incheon, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

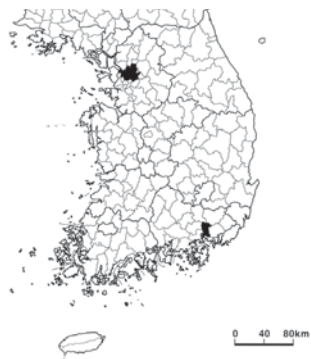


212 | *Parthenium hysterophorus* L.

Compositae

Dwae-ji-pul-a-jae-bi

- **Life form** : Annual
- **Flowering and fruiting period** : Sep.-Nov.
- **Origin :** America (tropic zone)
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongnam, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



213 | *Rudbeckia bicolor* Nutt.

Compositae

Won-chwu-chen-in-kwuk

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** North America
- **Introduction time** : before 1980
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

214 | *Rudbeckia hirta* L.

Compositae

Su-jan-lu-deu-be-ki-a

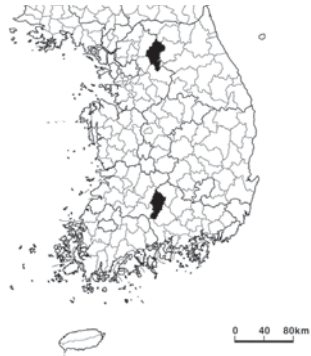
- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Oct.
- **Origin :** North America
- **Introduction time** : before 2001
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

215 | *Rudbeckia laciniata* var. *hortensia* L. H. Bailey

Compositae

Gyeob-sam-ip-guk-hwa

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** North America
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gyeongnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



216 | *Senecio inaequidens* DC.

Compositae

Ga-neun-ip-geum-bang-mang-i

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Dec.
- **Origin :** South Africa
- **Introduction time** : before 2013
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

217 | *Senecio scandens* Buch.-Ham. ex D. Don Compositae

Yang-jae-geum-bang-mang-i

- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Apr.
- **Origin :** Asia (tropic zone, subtropical zone)
- **Introduction time** : before 2013
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

218 | *Senecio vulgaris* L. Compositae

Gae-ssuk-gat

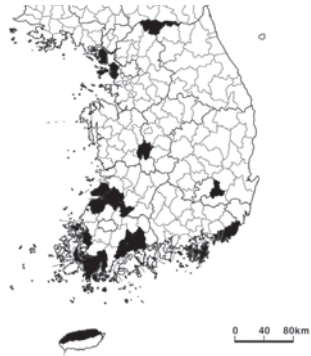
- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Oct.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1932
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan. Ulsan, Daegu. Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

219 | *Solidago altissima* L.

Compositae

Yang-mi-yeok-chwi

- **Life form** : Perennial
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** North America
- **Introduction time** : before 1974
- **Introduction characteristics** : Intentional introduction (nectar source)
- **Distribution (South Korea)** : Gangwon, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Incheon, Daejeon, Busan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

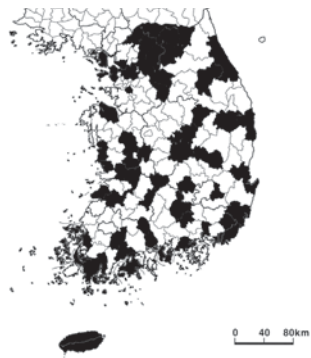


220 | *Solidago gigantea* Aiton

Compositae

Mi-guk-mi-yeog-chwi

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** North America
- **Introduction time** : before 1969
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Ulsan, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



221 | *Sonchus asper* (L.) Hill

Compositae

Keun-bang-ga-ji-ttong

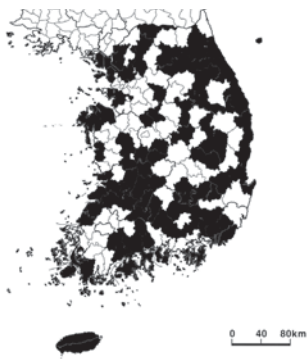
- **Life form** : Annual
- **Flowering and fruiting period** : May-Oct.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

222 | *Sonchus oleraceus* L.

Compositae

Bang-ga-ji-ttong

- **Life form** : Annual
- **Flowering and fruiting period** : May-Sep.
- **Origin :** Europe
- **Introduction time** : before 1937
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

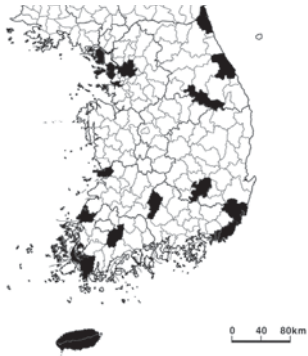


223 | *Symphyotrichum expansum* (Poepp. ex Spreng.) G. L. Nesom

Compositae

Keun-bi-jja-ru-guk-hwa

- **Life form** : Annual
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** North America
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonbuk, Jeonnam, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



224 | *Symphyotrichum pilosum* (Willd.) G. L. Nesom

Compositae

Mi-guk-ssuk-bu-jaeng-i

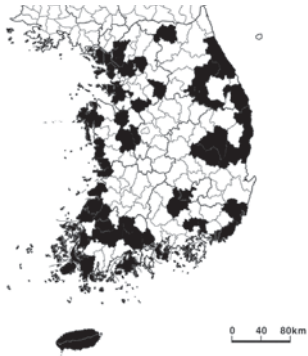
- **Life form** : Perennial
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** North America
- **Introduction time** : before 1986
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

225 | *Symphyotrichum subulatum* (Michx.) G. L. Nesom

Compositae

Bi-jja-ru-guk-hwa

- **Life form** : Annual
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Gwangju, Busan, Ulsan, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

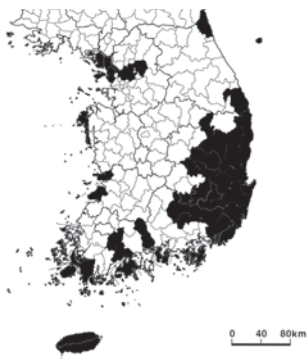


226 | *Tagetes minuta* L.

Compositae

Man-su-guk-a-jae-bi

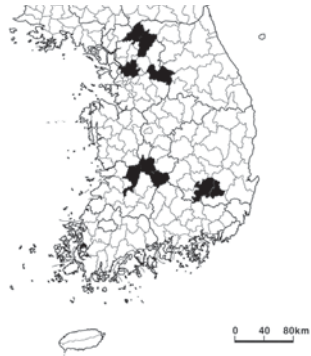
- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



227 | *Taraxacum laevigatum* (Willd.) DC. Compositae

Bul-geun-ssi-seo-yang-min-deul-le

- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Europe
- **Introduction time** : before 1987
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Seoul, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



228 | *Taraxacum officinale* F. H. Wigg. Compositae

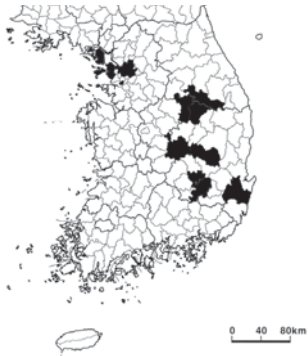
Seo-yang-min-deul-le

- **Life form** : Perennial
- **Flowering and fruiting period** : Mar.-Sep.
- **Origin :** Europe
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

229 | *Tragopogon dubius* Scop. Compositae

Soe-chae-a-jae-bi

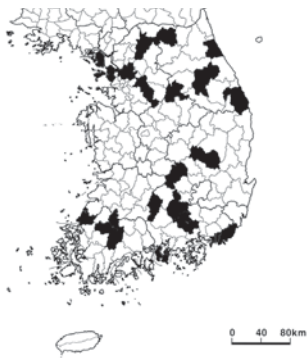
- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Europe
- **Introduction time** : before 1999
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Gyeongbuk, Seoul, Incheon, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



230 | *Verbesina alternifolia* (L.) Britton ex Kearney Compositae

Na-rae-ga-mak-sa-ri

- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Sep.
- **Origin :** North America
- **Introduction time** : before 1991
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Gwangju, Busan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

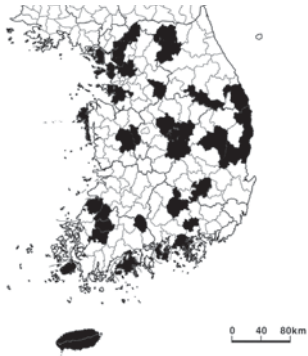


231 | *Xanthium canadense* Mill.

Compositae

Keun-do-kko-ma-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Aug.-Sep.
- **Origin :** North America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Gwangju, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



232 | *Xanthium italicum* Moretti

Compositae

Ga-si-do-kko-ma-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** North America
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Jeonnam, Gyeongbuk, Seoul, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

233 | *Zephyranthes candida* (Lindl.) Herb. Amaryllidaceae

Huin-kkot-na-do-sa-peu-lan

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** South America
- **Introduction time** : before 1920
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

234 | *Crocosmia* × *crocosmiiflora* (Lemoine) N. E. Br. Iridaceae

Mon-teu-bu-le-chi-a

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** South Africa
- **Introduction time** : before 1963
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeongbuk, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

235 | *Sisyrinchium micranthum* Cav.

Iridaceae

Yeon-deung-sim-but-kkot

- **Life form** : Annual or Perennial
- **Flowering and fruiting period** : Sep.-Nov.
- **Origin :** South America
- **Introduction time** : before 2016
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

236 | *Sisyrinchium rosulatum* E. P. Bicknell

Iridaceae

Deung-sim-but-kkot

- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** North America
- **Introduction time** : before 1956
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeonnam, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

237 | *Commelina benghalensis* L.

Commelinaceae

Go-kkal-dalg-ui-jang-pul

- **Life form** : Annual or Perennial
- **Flowering and fruiting period** : Jun.-Nov.
- **Origin :** Asia, Africa (tropic zone, subtropical zone)
- **Introduction time** : before 2011
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

238 | *Commelina diffusa* Burm.f.

Commelinaceae

Wang-dak-ui-jang-pul

- **Life form** : Annual or Perennial
- **Flowering and fruiting period** : Jun.-Nov.
- **Origin :** tropic zone, subtropical zone
- **Introduction time** : before 2011
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

239 | *Tradescantia fluminensis* Vell.

Commelinaceae

Eol-luk-dak-ui-jang-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Sep.
- **Origin :** America
- **Introduction time** : before 2001
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

240 | *Tradescantia ohiensis* Raf.

Commelinaceae

Ja-ju-dak-gae-bi

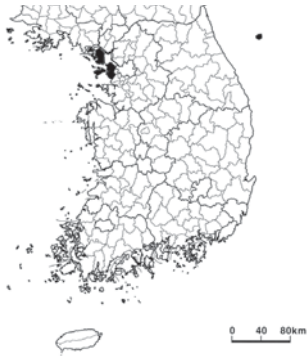
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Sep.
- **Origin :** North America
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Gwangju, Busan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

241 | *Aegilops cylindrica* Host

Gramineae

Yeom-so-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.
- **Origin :** Europe
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongbuk, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



242 | *Agrostis capillaris* L.

Gramineae

Deul-gyeo-i-sak

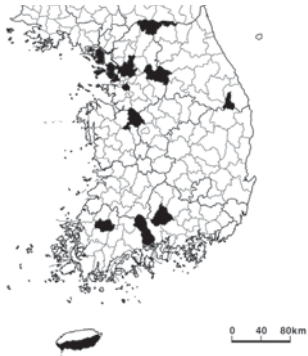
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

243 | *Agrostis stolonifera* L.

Gramineae

Ae-gi-gyeo-i-sak

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonnam, Gyeongnam, Seoul, Incheon, Gwangju, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



244 | *Aira caryophyllea* L.

Gramineae

Eun-teol-sae

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 2003
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

245 | *Alopecurus geniculatus* L. Gramineae

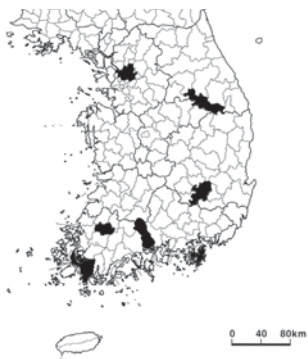
Yu-reop-ttuk-sae-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

246 | *Alopecurus japonicus* Steud. Gramineae

Teol-ttuk-sae-pul

- **Life form** : Annual
- **Flowering and fruiting period** : May
- **Origin :** East Asia (China, Japan)
- **Introduction time** : before 1994
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Jeonnam, Gyeongnam, Seoul, Gwangju, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



247 | *Alopecurus myosuroides* Huds. Gramineae

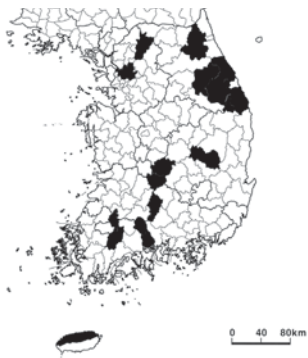
Jwik-kori-ttuk-sae-pul

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 1994
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

248 | *Alopecurus pratensis* L. Gramineae

Keun-ttuk-sae-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1970
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



249 | *Andropogon virginicus* L.

Gramineae

Na-do-sol-sae

- **Life form** : Perennial
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** North America
- **Introduction time** : before 2008
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk, Gyeongbuk, Gyeongnam, Busan, Ulsan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant, invasion into interior forest

250 | *Anthoxanthum odoratum* L.

Gramineae

Hyang-gi-pul

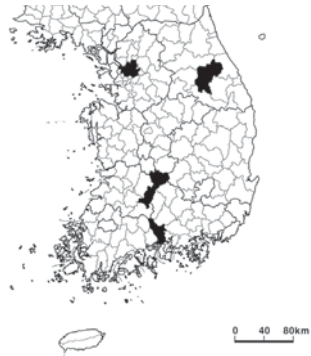
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

251 | *Arrhenatherum elatius* (L.) P. Beauv. ex J. Presl & C. Presl

Gramineae

Gae-na-rae-sae

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gangwon, Jeonbuk, Gyeongnam, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



252 | *Arrhenatherum elatius* var. *bulbosum* (Willd.) Spenn.

Gramineae

Yeom-ju-gae-na-rae-sae

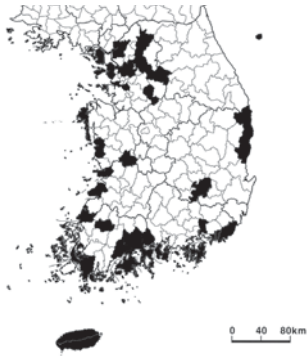
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Europe
- **Introduction time** : before 2011
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gwangju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant, invasion into interior forest

253 | *Avena fatua* L.

Gramineae

Me-gwi-ri

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1937
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Gwangju, Busan, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

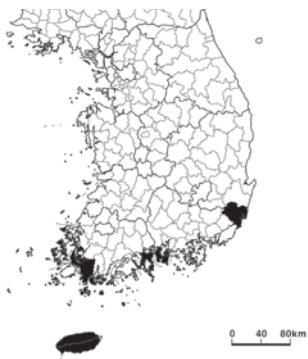


254 | *Briza minor* L.

Gramineae

Bang-ul-sae-pul

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam, Gyeongnam, Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



255 | *Bromus alopecuros* Poir.

Gramineae

Gin-teol-cham-sae-gwi-ri

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Europe, North Africa
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

256 | *Bromus carinatus* Hook. & Arn.

Gramineae

Seong-gin-i-sak-pul

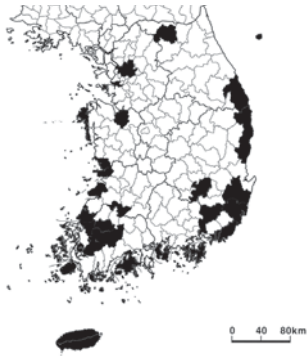
- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Europe, North America
- **Introduction time** : before 2004
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

257 | *Bromus catharticus* Vahl

Gramineae

Keun-i-sak-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** South America
- **Introduction time** : before 1970
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Gwangju, Busan, Ulsan, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



258 | *Bromus hordeaceus* L.

Gramineae

Teol-cham-sae-gwi-ri

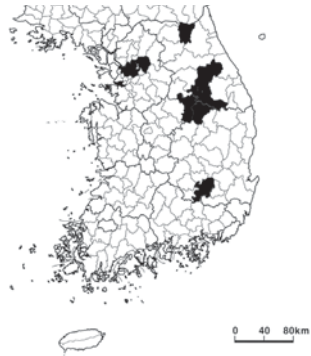
- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 1999
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

259 | *Bromus inermis* Leyss.

Gramineae

Jom-cham-sae-gwi-ri

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1994
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Seoul, Daegu
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

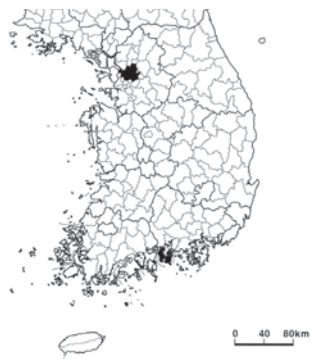


260 | *Bromus racemosus* L.

Gramineae

Min-dung-cham-sae-gwi-ri

- **Life form** : Annual
- **Flowering and fruiting period** : May
- **Origin :** Europe, North Africa
- **Introduction time** : before 2004
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongnam, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

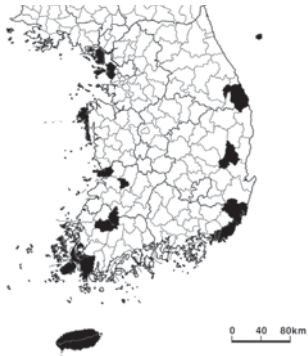


261 | *Bromus rigidus* Roth

Gramineae

Gin-kka-rak-bip-sae-gwi-ri

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Incheon, Gwangju, Busan, Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



262 | *Bromus secalinus* L.

Gramineae

Keun-cham-sae-gwi-ri

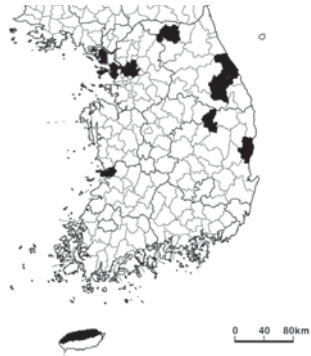
- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1949
- **Introduction characteristics** :Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Seoul, Busan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

263 | *Bromus sterilis* L.

Gramineae

Kka-rak-bip-sae-gwi-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Jeonbuk, Gyeongbuk, Seoul, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

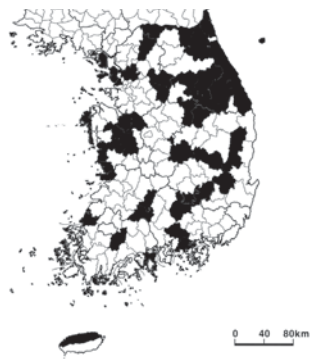


264 | *Bromus tectorum* L.

Gramineae

Teol-bip-sae-gwi-ri

- **Life form** : Biennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1969
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daegu, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



265 | *Catapodium rigidum* (L.) C. E. Hubb. Gramineae

Go-sa-ri-sae

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Europe, North Africa
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk, Jeonnam, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

266 | *Cenchrus longispinus* (Hack.) Fernald Gramineae

Dae-cheong-ga-si-pul

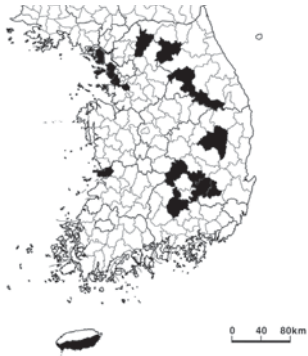
- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** North America
- **Introduction time** : before 2002
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

267 | *Chloris virgata* Sw.

Gramineae

Na-do-ba-raeng-i

- **Life form** : Annual
- **Flowering and fruiting period** : Aug.
- **Origin :** tropic zone
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonbuk, Gyeongbuk, Incheon, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

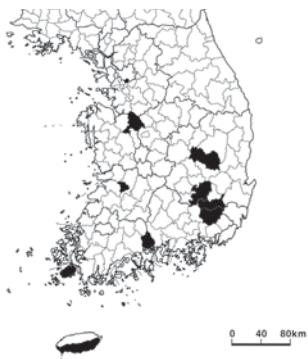


268 | *Coix lacryma-jobi* L.

Gramineae

Yeom-ju

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.
- **Origin :** Asia (tropic zone)
- **Introduction time** : before 1937
- **Introduction characteristics** : Intentional introduction (medicinal)
- **Distribution (South Korea)** : Gyeonggi, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



269 | *Cynosurus echinatus* L.

Gramineae

Jom-bit-sal-sae

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Europe
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

270 | *Dactylis glomerata* L.

Gramineae

O-ri-sae

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅴ (Widespread)
- **Invasion rank** : Naturalization, invasion into interior forest

271 | *Dactyloctenium aegyptium* (L.) Beauv. Gramineae

Ji-ne-bal-sae

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** tropic zone (the old continent)
- **Introduction time** : before 2003
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

272 | *Danthonia spicata* (L.) Roem. & Schult. Gramineae

Kko-in-sae

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** North America
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

273 | *Dichanthelium acuminatum* (Sw.) Gould & C. A. Clark

Gramineae

Bang-seok-gi-jang

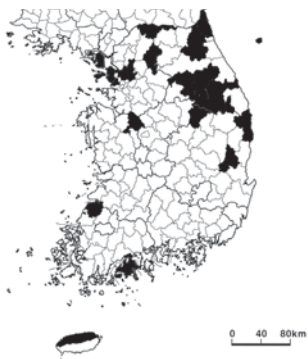
- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** North America
- **Introduction time** : before 2013
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

274 | *Elymus repens* (L.) Gould

Gramineae

Gu-ju-gae-mil

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1970
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Seoul, Incheon, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

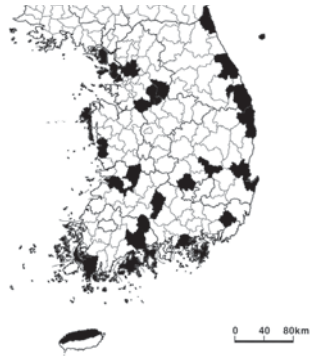


275 | *Eragrostis curvula* (Schrad.) Nees

Gramineae

Neung-su-cham-sae-geu-lyeong

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Africa
- **Introduction time** : before 1993
- **Introduction characteristics** : Intentional introduction (erosion control)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization,invasion into interior forest



276 | *Eragrostis pectinacea* (Michx.) Nees

Gramineae

Deul-bi-no-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** America
- **Introduction time** : before 2016
- **Introduction characteristics** : Intentional introduction (ornamental)
- **Distribution (South Korea)** : Unintentional introduction
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

277 | *Eremochloa ophiuroides* (Munro) Hack. Gramineae

Oe-dae-soe-chi-gi-a-jae-bi

- **Life form** : Perennial
- **Flowering and fruiting period** : Sep.-Oct.
- **Origin :** Southeast Asia (China, Vietnam)
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

278 | *Festuca arundinacea* Schreb. Gramineae

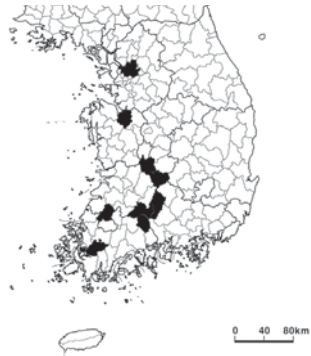
Keun-gim-ui-teol

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1970
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

279 | *Festuca heterophylla* Lam. Gramineae

Sa-bang-gim-ui-teol

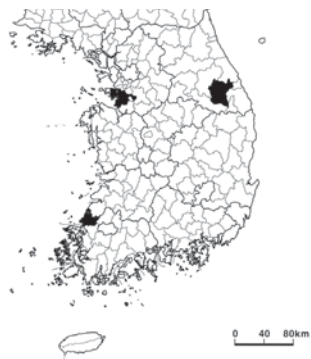
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Europe
- **Introduction time** : before 2004
- **Introduction characteristics** : Intentional introduction (erosion control)
- **Distribution (South Korea)** : Chungnam, Jeonbuk, Jeonnam, Gyeongnam, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



280 | *Festuca pratensis* Huds. Gramineae

Neol-eun-gim-ui-teol

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1998
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



281 | *Glyceria declinata* Bréb.

Gramineae

Yu-reob-yuk-jeol-bo-ri-pul

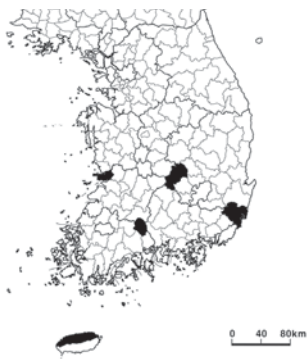
- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Jul.
- **Origin :** Europe
- **Introduction time** : before 2009
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gwangju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

282 | *Holcus lanatus* L.

Gramineae

Huin-teol-sae

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Europe
- **Introduction time** : before 2001
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam, Jeonnam, Gyeongbuk, Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

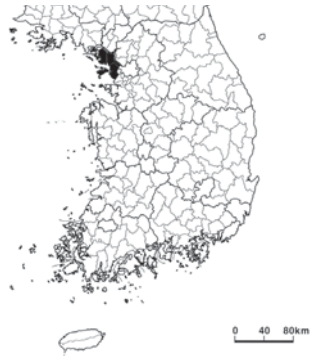


283 | *Hordeum jubatum* L.

Gramineae

Gin-kka-rak-bo-ri-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Aug.
- **Origin :** Asia (northeast Siberia), North America
- **Introduction time** : before 2001
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



284 | *Hordeum murinum* L.

Gramineae

Bo-ri-pul

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

285 | *Hordeum pusillum* Nutt.

Gramineae

Jom-bo-ri-pul

- **Life form** : Annual
- **Flowering and fruiting period** : May
- **Origin :** North America
- **Introduction time** : before 1997
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

286 | *Leptochloa fusca* (L.) Kunth

Gramineae

Gaet-deu-reong-sae

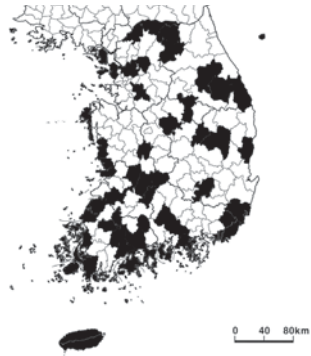
- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** Southwest Asia, Africa, Australia
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Incheon, Busan
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

287 | *Lolium multiflorum* Lam.

Gramineae

Jwi-bo-ri

- **Life form** : Biennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1970
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



288 | *Lolium perenne* L.

Gramineae

Ho-mil-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1970
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

289 | *Lolium rigidum* Gaudin

Gramineae

Daeng-dol-bo-ri

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jul.
- **Origin :** the Mediterranean
- **Introduction time** : before 2014
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

290 | *Panicum dichotomiflorum* Michx.

Gramineae

Mi-guk-gae-gi-jang

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Sep.
- **Origin :** America
- **Introduction time** : before 1969
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

291 | *Panicum virgatum* L.

Gramineae

Keun-gae-gi-jang

- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Sep.
- **Origin :** North America
- **Introduction time** : before 2003
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

292 | *Parapholis incurva* (L.) C. E. Hubb.

Gramineae

Ppur-i-sak-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

293 | *Paspalum dilatatum* Poir.

Gramineae

Keun-cham-sae-pi

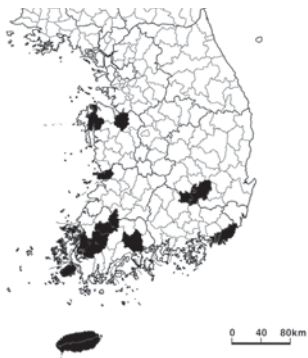
- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Sep.
- **Origin :** South America
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

294 | *Paspalum distichum* L.

Gramineae

Mul-cham-sae-pi

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** tropic zone, subtropical zone
- **Introduction time** : before 1995
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gwangju, Busan, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



295 | *Paspalum notatum* Flüggé

Gramineae

Min-dung-cham-sae-pi

- **Life form** : Perennial
- **Flowering and fruiting period** : Sep.
- **Origin :** America (tropic zone, subtropical zone)
- **Introduction time** : before 2013
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

296 | *Paspalum urvillei* Steud.

Gramineae

Teol-keun-cham-sae-pi

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Oct.
- **Origin :** South America
- **Introduction time** : before 2013
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

297 | *Pennisetum flaccidum* Griseb.

Gramineae

Ga-neun-su-keur-yeong

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** Southwest Asia
- **Introduction time** : before 2013
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

298 | *Phalaris canariensis* L.

Gramineae

Ka-na-ri-sae-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Sep.
- **Origin :** the Mediterranean
- **Introduction time** : before 1993
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Busan, Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

299 | *Phleum paniculatum* Huds. Gramineae

Jag-eun-jo-a-jae-bi

- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia
- **Introduction time** : before 2009
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

300 | *Phleum pratense* L. Gramineae

Keun-jo-a-jae-bi

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Europe
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (pasture)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Busan, Daegu, Jeju
- **Degree of spread** : Ⅲ (Concerned Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

301 | *Poa bulbosa* L. Gramineae

Gae-i-sak-po-a-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonbuk, Gyeongnam, Seoul, Daegu, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

302 | *Poa bulbosa* subsp. *vivipara* (Koeler) Arcang. Gramineae

I-sak-po-a-pul

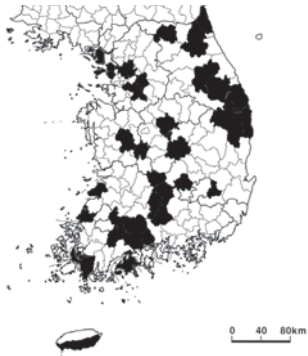
- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-Jun.
- **Origin :** Eurasia, Africa
- **Introduction time** : before 2001
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

303 | *Poa compressa* L.

Gramineae

Jom-po-a-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Europe
- **Introduction time** : before 1980
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Daejeon, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization



304 | *Poa pratensis* L.

Gramineae

Wang-po-a-pul

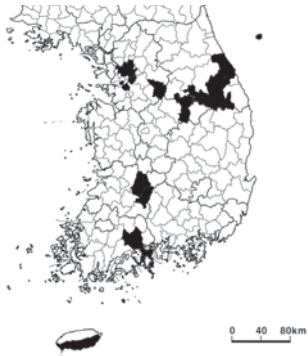
- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** temperate zone (the Old World)
- **Introduction time** : before 1949
- **Introduction characteristics** : Intentional introduction (erosion control)
- **Distribution (South Korea)** : all over the country
- **Degree of spread** : Ⅳ (Serious Spread)
- **Invasion rank** : Naturalization, invasion into interior forest

305 | *Poa trivialis* L.

Gramineae

Keun-sae-po-a-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 1949
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Jeonbuk, Jeonnam, Gyeongbuk, Seoul, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization



306 | *Puccinellia distans* (Jacq.) Parl.

Gramineae

Cheo-jin-mi-kku-ri-gwang-i

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Europe
- **Introduction time** : before 2009
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonbuk, Jeonnam, Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

307 | *Rottboellia cochinchinensis* (Lour.) Clayton Gramineae

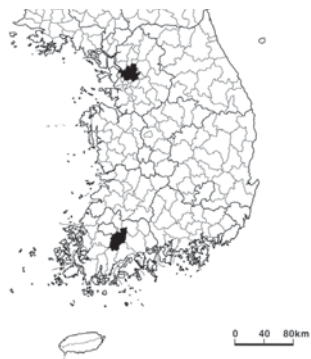
Gae-soe-chi-gi-pul

- **Life form** : Annual
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** tropic zone (the Old World)
- **Introduction time** : before 2013
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

308 | *Saccharum arundinaceum* Retz. Gramineae

Keun-gae-sa-tang-su-su

- **Life form** : Perennial
- **Flowering and fruiting period** : Apr.-May
- **Origin :** Asia(tropic zone, subtropical zone)
- **Introduction time** : before 2011
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



309 | *Saccharum spontaneum* L.

Gramineae

Gae-sa-tang-su-su

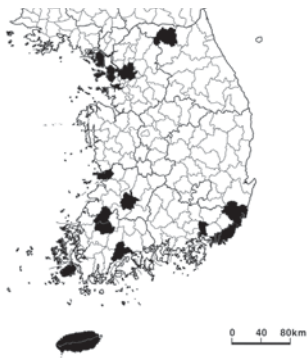
- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** Asia (India)
- **Introduction time** : before 1996
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

310 | *Sorghum halepense* (L.) Pers.

Gramineae

Si-ri-a-su-su-sae

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Aug.
- **Origin :** Eurasia
- **Introduction time** : before 19930
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonbuk, Jeonnam, Gyeongnam, Seoul, Incheon, Gwangju, Busan, Ulsan, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



311 | *Spartina alternoflora* Loisel. Gramineae

Gaet-jwi-kko-ri-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Jun.-Oct.
- **Origin :** America
- **Introduction time** : before 2015
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

312 | *Spartina anglica* C. E. Hubb. Gramineae

Yeong-guk-gaet-kkeun-pul

- **Life form** : Perennial
- **Flowering and fruiting period** : Sep.-Nov.
- **Origin :** Europe (England)
- **Introduction time** : before 2015
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Incheon
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

313 | *Vulpia bromoides* (L.) Gray

Gramineae

Deul-muk-sae-a-jae-bi

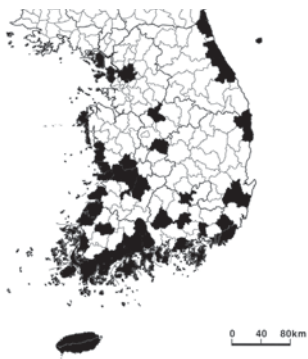
- **Life form** : Annual
- **Flowering and fruiting period** : May-Jun.
- **Origin :** Europe, North Africa
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeonnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

314 | *Vulpia myuros* (L.) C. C. Gmel.

Gramineae

Deul-muk-sae

- **Life form** : Annual
- **Flowering and fruiting period** : Jun.-Jul.
- **Origin :** Eurasia, North Africa
- **Introduction time** : before 1970
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk, Gyeongnam, Seoul, Incheon, Gwangju, Busan, Jeju
- **Degree of spread** : Ⅱ (Minor Spread)
- **Invasion rank** : Naturalization, invasion into interior forest



315 | *Zoysia matrella* (L.) Merr.

Gramineae

Nam-bang-jan-di

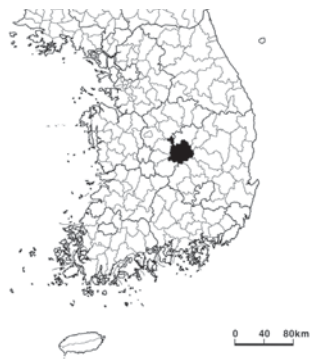
- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jul.
- **Origin :** Eurasia
- **Introduction time** : before 2010
- **Introduction characteristics** : Intentional introduction (ground cover)
- **Distribution (South Korea)** : Jeonbuk, Jeonnam
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

316 | *Carex hirsutella* Mack.

Cyperaceae

Mi-guk-san-sa-cho

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Jun.
- **Origin :** North America
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gyeongbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

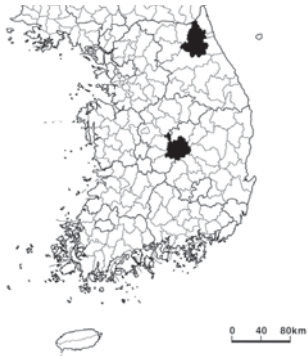


317 | *Carex scoparia* Schkuhr ex Willd.

Cyperaceae

Han-seok-sa-cho

- **Life form** : Perennial
- **Flowering and fruiting period** : May-Aug.
- **Origin :** North America
- **Introduction time** : before 2014
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Gangwon, Gyeongbuk
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



318 | *Cyperus eragrostis* Lam.

Cyperaceae

Yeol-dae-bang-dong-sa-ni

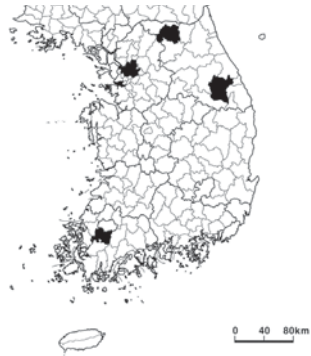
- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** America
- **Introduction time** : before 2016
- **Introduction characteristics** : Unintentional introduction
- **Distribution (South Korea)** : Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant

319 | *Cyperus esculentus* L.

Cyperaceae

Gi-reum-gol

- **Life form** : Perennial
- **Flowering and fruiting period** : Jul.-Oct.
- **Origin :** the Mediterranean
- **Introduction time** : before 2011
- **Introduction characteristics** : Intentional introduction (edible)
- **Distribution (South Korea)** : Gyeonggi, Gangwon, Jeonnam, Seoul
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Casual alien plant



320 | *Zingiber mioga* (Thunb.) Roscoe

Zingiberaceae

Yang-ha

- **Life form** : Perennial
- **Flowering and fruiting period** : Aug.-Oct.
- **Origin :** Asia (tropic zone)
- **Introduction time** : before 1937
- **Introduction characteristics** : Intentional introduction (edible)
- **Distribution (South Korea)** : Jeonbuk, Jeonnam, Gyeongnam, Jeju
- **Degree of spread** : Ⅰ (Potential Spread)
- **Invasion rank** : Naturalization

Invasive Alien Plants in South Korea

Appendix

Reference
Scientific name Index
Korean name Index

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