

ORCHID GUIDE

Prismatic, An Orchid Exhibition features over 1400 individual orchids represented by 45 species and unique varieties. Each of which have different care needs and requirements such as, varying light levels, temperature, humidity, watering, fertilizing, and repotting techniques. For help with identifying and individual care needs for the orchids found throughout the exhibition, check out our Prismatic Orchid Guide!

Aliceara Tropic Lily 'Hilo Spaceship'

Synonym: Beallara Tropic Lily 'Hilo Spaceship' Parents: Oncidium Nichirei x Aliceara Tropic Splendor Originator: J.W. McCully, 2007

CARE LEVEL: Easy

LIGHT: Bright Light, no direct sun

TEMPERATURE: 60° in winter, 80° during summer

HUMIDITY: 50% RH

WATERING: Water every two weeks or when media is dry

FERTILIZING: Once per month

REPOTTING: Re-pot in an open, free draining mix (bark)



Brassidium Yellow Star

Synonym: Maclellanara Yellow Star Parents: Oncidium Cornelia (1914) x Brassidium Gilded Urchin Originator: J.W. McCully, 2005

CARE LEVEL: Moderate

LIGHT: Bright light from East facing window is best

TEMPERATURE: 55°- 65°F nights; 65°- 75°F days, keep below 85°F during summer months

HUMIDITY: 50% - 70% RH

WATERING: Water 1 to 2x a week while in active growth, reduce watering when not actively growing

FERTILIZING: Use weak fertilizer weekly, not when in active growth

REPOTTING: Repot yearly in course potting medium consisting of bark, coconut chips, charcoal, or perlite



Bratonia Charles M. Fitch 'Izumi'

Synonym: Miltassia Charles M. Fitch 'Izumi' Parents: Bratonia verrucosa x Miltonia spectabilis Originator: C.M. Finch 1961

CARE LEVEL: Easy

LIGHT: Bright light from East, West or South window

TEMPERATURE: 65°F nights & winters; 85°F days & summer

HUMIDITY: 55% RH

WATERING: Water 2x a week - keep moist

FERTILIZING: Fertilize monthly in summer, every 2 months in winter

REPOTTING: Repot after blooming in moss/bark mix



Cattleya (assorted)

CARE LEVEL: Moderate

LIGHT: Bright sunlight, East facing window, or South or West facing window that is filtered

TEMPERATURE: 55°- 60°F nights, 70°- 85°F days (15 to 20°F differential between day & night is important)

HUMIDITY: 55% to 80% RH

WATERING: Water when medium is completely dry, water should be above 50°

FERTILIZING: Use high nitrogen fertilizer every 2 weeks during active growth. Once a month when not actively growing. Flush pot of fertilizer salts once a month.

REPOTTING: Rarely needs repotting. If repotting, do it in the spring or after bloom in coarse bark or rock mix.



Cattlianthe Rojo 'Happy Valentine'

Synonym: Laeliocattleya Rojo 'Happy Valentine' Parents: Guarianthe aurantiaca x Cattleya milleri Originator: Rod Mclellan Co. 1965

CARE LEVEL: Moderate to Challenging

LIGHT: Bright light from South or West window

TEMPERATURE: 65°F nights, 85°- 90°F summer days

HUMIDITY: 50% - 70% RH, needs good air circulation

WATERING: Water once a week – slightly dry between waterings

FERTILIZING: Fertilize monthly

REPOTTING: Repot occasionally in a bark/peat mix



Cymbidium (assorted)

CARE LEVEL: Challenging

LIGHT: Bright light levels

TEMPERATURE: 45°- 55°F nights, 65°- 75°F days in winter. MUST maintain 55° - 75°F while in bud, summer high temperatures should not be above 85°F

HUMIDITY: 40% - 50% RH

WATERING: Water regularly when in active growth – medium should remain moist. In dormant periods allow to dry out completely.

FERTILIZING: Use high nitrogen fertilizer from spring through summer, and high phosphorus fertilizer in late summer to help produce buds. Use full-strength fertilizer every 2 weeks when in growth and once a month in winter.

REPOTTING: Repot every two years with a mix of fir bark and peat – a moisture retaining mix.

OTHER: This species like bright lights but high temperatures prevent them from blooming – they need cool conditions



Dendrobium (assorted)

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East window is preferred

TEMPERATURE: 60°F at night, up to 90°F during the day

HUMIDITY: 40 - 50%RH

WATERING: Water once a week, twice a week in summer

FERTILIZING: Use weak fertilize every 2 weeks

REPOTTING: Small pots and dry feet. DO NOT remove bare canes, they provide food and flower stalks arise from these canes.

OTHER:

- Contains over 1,800 species Native to south, east and southeast Asia



Dendrobium Chocolate Chip

Parents: Dendrobium Micro Chip x Dendrobium normanbyense Originator: H & R Nursery 2018

CARE LEVEL: Very Easy

FLOWERING: Flowers miniature, fragrant & can bloom 2 to 3 times a year

LIGHT: Bright light from East or West window

TEMPERATURE: 60°F nights, 85°F days

HUMIDITY: 50% + RH with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks



Dendrobium Diane Meyer x Royal Wings

Parents: Dendrobium Roy Tokunaga x Dendrobium Stephen Batchelor

CARE LEVEL: Easy

FLOWERING: Blooms 2 – 3 times a year

LIGHT: Bright light from East window

TEMPERATURE: 65°F nights, 80°F days

HUMIDITY: 50% + RH, good airflow

WATERING: Water before media is completely dry

FERTILIZING: Use week fertilize every 2 weeks



Dendrobium Fire Wings

Parents: Dendrobium Big Alex x Dendrobium Silver Wings Originator: H & R Nursery 2011

CARE LEVEL: Easy

FLOWERING: Blooms 2 – 3 times a year

LIGHT: Bright light from East facing window is best

TEMPERATURE: 65°F nights, 80°F day

HUMIDITY: 50% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilize every 2 weeks



Dendrobium Hawaii Spectacular

Parents: Dendrobium Big Alex x Dendrobium spectabile Originator: H & R Nursery 2013

CARE LEVEL: Easy

FLOWERING: Blooms 2 – 3 times a year

LIGHT: Bright light from East or West window is best

TEMPERATURE: 60°F nights, 85°F days

HUMIDITY: 50% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks



Dendrobium Keiki Chip

Parents: Dendrobium Micro Chip x Dendrobium Little Atro Originator: H & R Nursery 2018

CARE LEVEL: Very Easy

FLOWERING: Flowers miniature, blooms 2 – 3 times a year

LIGHT: Bright light from East or West window is best

TEMPERATURE: 60°F nights, 85°F days

HUMIDITY: 65% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks



Dendrobium Micro Chip

Parents: Dendrobium normanbyense x Dendrobium aberrans Originator: H & R Nursery 2011

CARE LEVEL: Very Easy

FLOWERING: Flowers are miniature, blooms 2 – 3 times a year

LIGHT: Bright light from East or West window is best

TEMPERATURE: 60°F nights, 85°F days

HUMIDITY: 50% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks

REPOTTING: Use a bark based potting mix



Dendrobium Mini Snowflake

Parents: Dendrobium aberrans x Dendrobium johnsoniae Originator: H & R Nursery 2005

CARE LEVEL: Very Easy

FLOWERING: Flowers are miniature, blooms 2 – 3 times a year

LIGHT: Bright light from East or West window

TEMPERATURE: 60°F nights, 85°F days

HUMIDITY: 50% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks

REPOTTING: Use a bark based potting mix



Dendrobium Minnie

Parents: Dendrobium carronii x Dendrobium johannis Originator: D'Bush 1984

CARE LEVEL: Easy

LIGHT: Bright light from East or West window is best

TEMPERATURE: 60°F nights, 85°F days

HUMIDITY: 65% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks



Dendrobium Royal Chip

Parents: Dendrobium Micro Chip x Dendrobium Roy Tokunaga Originator: H & R Nursery 2018

CARE LEVEL: Very Easy

LIGHT: Bright light from East or West window

TEMPERATURE: 60°F nights, 85°F days

HUMIDITY: 65% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks



Dendrobium Taro Chip

Parents: Dendrobium Micro Chip x Dendrobium atroviolaceum

CARE LEVEL: Easy

FLOWERING: Blooms 2 – 3 times a year

LIGHT: Bright light from East window

TEMPERATURE: 65°F nights, 80°F days

HUMIDITY: 50% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks



Dendrobium Royal Wings x Diane Meyer

Parents: Dendrobium Roy Tokunaga x Dendrobium Silver Wings

CARE LEVEL: Easy

FLOWERING: Blooms 2 – 3 times a year

LIGHT: Bright light from East window

TEMPERATURE: 65°F nights, 80°F days

HUMIDITY: 50% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks



Dendrobium Roy Tokunaga 'Christmas Cheer'

Parents: Dendrobium atroviolaceum x Dendrobium johnsoniae Originator: L. Tempera 1997

CARE LEVEL: Easy

LIGHT: Bright light from East window

TEMPERATURE: 65°F nights, 80°F days

HUMIDITY: 50% + RH, with good airflow

WATERING: Water before completely dry

FERTILIZING: Use weak fertilizer every 2 weeks



Dendrochilum glumaceum

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East or West window

TEMPERATURE: 60°F nights, 85°F days

HUMIDITY: 65% + RH, with good airflow

WATERING: Water weekly – do not allow to dry out

FERTILIZING: Use weak fertilize every 2 weeks during active growing season

REPOTTING: Repot in a sphagnum moss mix

OTHER: This species of orchid is native to the Philippines, Borneo, & Sumatra



Grammatophyllum Broga Tiger

Parents: Grammatophyllum measuresianum x Grammatophyllum Tiger Paw Originator: Serdang 2009

CARE LEVEL: Moderate

LIGHT: Bright light from East window

TEMPERATURE: 50° - 60°F nights, 75° - 85°F days

HUMIDITY: 65% + RH, with good airflow

WATERING: Water weekly – do not allow to dry out in active growth, withhold water when dormant

FERTILIZING: Fertilize weekly with 20-10-20 during active growth only

REPOTTING: Repot anytime in porous mix



Miltonidium Melissa Brianne

Synonym: Vuylstekeara Melissa Brianne Parents: Miltonia Anne Warne x Oncidium Mrs. Rudolf Pabst Originator: Bart Schwartz 1989

CARE LEVEL: Very Easy

FLOWERING: Produces blooms every year

LIGHT: Bright light from East, West or South window

TEMPERATURE: 55° - 60°F nights, 70° - 80°F days

HUMIDITY: 40 to 60%RH

WATERING: Water every 4-5 days, do not let roots dry out completely

FERTILIZING: Use weak fertilize every 2 weeks, flush salts monthly

REPOTTING: Repot in the early spring in a tree fern & sphagnum mix



Miltoniopsis (assorted)

CARE LEVEL: Moderate to Challenging

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 50° - 55°F nights and 75° - 85°F days

HUMIDITY: 70%RH or more

WATERING: Water every 3-4 days – used to being drenched daily in native habitat

FERTILIZING: Use weak fertilizer every 2 weeks, flush salts weekly

REPOTTING: Repot yearly in early spring in a tree fern/sphagnum mix

OTHER: These species are known as 'pansy orchids' and are native to the higher elevations of the Andes.



Oncidesa Gower Ramsey

Synonym: Oncidium Gower Ramsey Parents: Oncidesa Goldiana x Oncidesa Guinea Gold Originator: Koh Keng Hoe 1977

CARE LEVEL: Moderate

FLOWERING: Flowers are fragrant

LIGHT: Bright light from East, South or West window

TEMPERATURE: 55 to 60°F nighttime, 70 to 80°F daytime, can survive up to 95°F

HUMIDITY: 65% + RH

WATERING: Water weekly, do not allow to dry out

FERTILIZING: Use a weak fertilizer weekly

REPOTTING: Repot with fine grade potting mix of moss and bark



Oncidium Gold Dust

Parents: Oncidium Twinkle x Oncidium cheirophorum Originator: H & R Nursery 2003

CARE LEVEL: Easy to Moderate

FLOWERING: Flowers are fragrant

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 60°F nights, 80°- 85°F days

HUMIDITY: 30% - 60% RH

WATERING: Water once or twice a week to keep medium slightly moist

FERTILIZING: Fertilize once a month



Oncidium Heaven Scent 'Sweet Baby'®

Parents: Oncidium Ruffles x Oncidium Sharry Baby Originator: J.W. McCully 2005

CARE LEVEL: Easy to Moderate

FLOWERING: Flowers are fragrant

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 60°F nights, 80°- 85°F days

HUMIDITY: 30% - 60% RH

WATERING: Water once or twice a week to keep medium slightly moist

FERTILIZING: Fertilize once a month



Oncidium Pacific Sunrise 'Hakalau'

Parents: Oncidium Hawaiian Sunset x Oncidium sotoanum Originator: J.W. McCully 2002

CARE LEVEL: Easy to Moderate

FLOWERING: Flowers are fragrant

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 60°F nights, 80°- 85°F days

HUMIDITY: 30% - 60% RH

WATERING: Water once or twice a week to keep medium slightly moist

FERTILIZING: Fertilize once a month



Oncidium Red Stars 'Rooster'

Synonym: Wilsonara Red Stars 'Red Rooster' Parents: Oncidium Lisa Devos x Oncidium Issaku Nagata Originator: J.W. McCully 2005

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 60°F nights, 80°- 85°F days

HUMIDITY: 30% - 60% RH

WATERING: Water once or twice a week to keep medium slightly moist

FERTILIZING: Fertilize once a month



Oncidium Twinkle

Parents: Oncidium cheirophorum x Oncidium sotoanum Originator: W.W.G. Moir 1958

CARE LEVEL: Easy

FLOWERING: Flowers are fragrant

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55°- 60°F nights, 80°- 85°F days

HUMIDITY: 30% - 60% RH

WATERING: Water once or twice a week, keep medium slightly moist

FERTILIZING: Fertilize once a month



Oncidium Volcano Hula Halau 'Volcano Splendor'

Parents: Oncidium Issaku Nagata x Oncidium Kilauea Originator: Mansell & Hatcher 1979

CARE LEVEL: Easy to Moderate

FLOWERING: Flowers are fragrant

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 60°F nights, 80° - 85°F days

HUMIDITY: 30% - 60% RH

WATERING: Water once or twice a week, keep medium slightly moist

FERTILIZING: Fertilize once a month



Oncostele Catatante 'Kilauea Karma'

Synonym: Odontocidium Catatante 'Kilauea Karma' Parents: Oncidium Sphacelatum x Oncostele Wildcat Originator: J.W. McCully 2006

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 60°F nights, 75°- 85°F days

HUMIDITY: 50% - 75% RH

WATERING: Water once or twice a week to keep medium slightly moist

FERTILIZING: Fertilize once a month

REPOTTING: Repot once a year – keep containers on the small side. Use a rapid draining mix of bark, perlite, charcoal, lava rock and coarse peat



Oncostele Catatante 'Sunny Kalapana'

Synonym: Odontocidium Catatante 'Sunny Kalapana' Parents: Oncidium Sphacelatum x Oncostele Wildcat Originator: J.W. McCully 2002

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 65°F nights, 75°- 85°F days

HUMIDITY: 50% - 75% RH

WATERING: Water once or twice a week to keep medium slightly moist

FERTILIZING: Fertilize once a month

REPOTTING: Repot once a year – keep containers on the small side. Use a rapid draining mix of bark, perlite, charcoal, lava rock and coarse peat.



Oncostele Hilo Firecracker 'Lucky Strike'

Parents: Oncostele Catatante x Oncostele Aloha Sparks Originator: J. Fang, 2010

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 65°F nights, 75°- 85°F days

HUMIDITY: 50% - 75% RH

WATERING: Water once or twice a week to keep medium slightly moist

FERTILIZING: Fertilize once a month

REPOTTING: Repot once a year – keep containers on the small side. Use a rapid draining mix of bark, perlite, charcoal, lava rock and coarse peat.



Oncostele Tan Treasures

Synonym: Wllsonara Tan Treasures Parents: Oncidium Bunbury x Oncostele Catatante Originator: Okika 2010

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 65°F nights, 75°- 85°F days

HUMIDITY: 50% - 75% RH

WATERING: Water once or twice a week to keep medium slightly moist

FERTILIZING: Fertilize once a month

REPOTTING: Repot once a year – keep containers on the small side. Use a rapid draining mix of bark, perlite, charcoal, lava rock and coarse peat.



Oncostelopsis Leopoldo

Parents: Oncidopsis Pacific Waters x Oncostele Aloha Sparks Originator: J.W. McCully 2012

CARE LEVEL: Easy

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 55° - 60°F nights, 75° - 80°F days

HUMIDITY: 55% - 70% RH

WATERING: Water once or twice a week, keep medium slightly moist

FERTILIZING: Use weak fertilizer every 2 weeks

REPOTTING: Repot every year in fern bark and sphagnum



Paphiopedilum (assorted)

CARE LEVEL: Easy

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 60° - 65°F nights, 75° - 85°F days, but will tolerate 40°s to 90°F

HUMIDITY: 40% - 50% RH

WATERING: Water every 5 days (or so) if in bark, when the top of the sphagnum is dry if in moss. There are no water storage structures do not let dry too thoroughly.

FERTILIZING: Fertilize once a month

REPOTTING: Repot in a bark/moss mix

OTHER: This group is known as Slipper Orchids



Paphiopedilum Maudiae

Parents: Paphiopedilum callosum x P. lawrenceanum Originator: Charlesworth Ltd. 1900

CARE LEVEL: Easy

LIGHT: Bright light from East window, no direct sun

TEMPERATURE: 60° - 65°F nights, 75° - 85°F days

HUMIDITY: 40% to 70% RH, with good air circulation

WATERING: Water every 5 days in bark or when the top of the sphagnum is dry if in moss.

FERTILIZING: Fertilize once a month

REPOTTING: Repot annually in mix of fir bark, coconut chips and sphagnum



Phalaenopsis (assorted)

CARE LEVEL: Very Easy

LIGHT: Bright light from an East, South or West window

TEMPERATURE: Above 60° at night, 75° - 85° days. Temps below 55° in fall will initiate blooming

HUMIDITY: 50% to 80% RH

WATERING: Water thoroughly but allow to dry between waterings. Water in morning to prevent rot.

FERTILIZING: Fertilize every 2 weeks with high nitrogen fertilizer when in active growth. Use a high phosphorus fertilizer prior to blooming.

REPOTTING: Repot every 1–3 years in a porous mix such as bark.



Rhyncattleanthe Dan O'Neil 'Jubilee'

Synonym: Brassolaeliocattleya Dan O'Neil 'Jubilee' Parents: Cattlianthe Chicanery x Rhyncattleanthe Orange Nugget Originator: Unknown 1992

CARE LEVEL: Moderate to Challenging

LIGHT: Bright light from East or West window to partial shade

TEMPERATURE: 55°- 65°F nights, 80°- 90°F days

HUMIDITY: 30% - 60% daytime RH, 60% - 80% at night

WATERING: Water thoroughly, but allow to dry completely between waterings

FERTILIZING: Fertilize every 3rd watering carefully. Plants are sensitive to high phosphorus, Water with high nitrogen fertilizer and alternate that with a foliar feeding.

REPOTTING: Repot rarely in a fast-draining media



Schunkeana Big Shot 'Hilo Sparkle'

Synonym: Beallara Big Shot 'Hilo Sparkle' Parents: Aliceara Tahoma Glacier x Miltoniopsis 'Maui Titan' Originator: J.W. McCully 2006

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East or West window

TEMPERATURE: 55° - 60°F nights, 75° - 80°F days

HUMIDITY: 50% RH

WATERING: Water once every week or two. Allow media to dry completely between waterings

FERTILIZING: Fertilize once a month during active growth

REPOTTING: Repot in fast draining mix



Tsubotaara Melinda Marie 'Blue Moon'

Parents: Pabanisia Eva's Blue Amazon x Zygonisia Cynosure Originator: Kalapana Tropicals 2010

CARE LEVEL: Easy

LIGHT: Bright light from East, West or South window

TEMPERATURE: 50° - 60°F at night & 70°- 80°F during days

HUMIDITY: 40% - 60% RH

WATERING: Water once a week, allow to dry completely between waterings

FERTILIZING: Fertilize once a month



Zygolum Louisendorf 'Rhein Moonlight'

Parents: Zygosepalum labiosum x Zygopetalum Artur Elle Originator: B. Holm 2004

CARE LEVEL: Very Easy

FLOWERING: Flowers are fragrant

LIGHT: Bright light from West or South window

TEMPERATURE: 50°- 60°F nights, 75°- 85°F days, tolerates temps to 90°F

HUMIDITY: 30% - 70% RH

WATERING: Water weekly, allow to dry completely before watering

FERTILIZING: Use weak fertilizer every 2 weeks

REPOTTING: Repot in coconut chips, bark and perlite

OTHER: Tolerates harsh conditions



Zygonisia Roquebrune 'Seafoam'

Parents: Aganisia cyanea x Zygopetalum Artur Elle Originator: Michael Vacherot 1996

CARE LEVEL: Very Easy

FLOWERING: Flowers are fragrant

LIGHT: Bright light from West or South window

TEMPERATURE: 50°-60°F nights, 75°-85°F days, tolerates temps to 90°F

HUMIDITY: 30% - 70% RH

WATERING: Water weekly, allow to dry completely before watering in winter, during active growth, this plant will tolerate watering every few days

FERTILIZING: Use weak fertilizer every 2 weeks in winter, every week in summer

REPOTTING: Repot in coconut chips, bark and perlite



Zygopetalum (assorted)

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East or West window

TEMPERATURE: 55°- 65°F nights, 75°- 85°F days

HUMIDITY: 50% - 80% RH

WATERING: Water once or twice a week during active growth, less in winter

FERTILIZING: Use weak fertilizer every two weeks throughout the year

REPOTTING: Repot in coconut chips, bark and perlite anytime but winter. An application of dolomitic limestone can be applied.



Zygopetalum Debbie de Mello

Parents: Zygopetalum Imagination x Zygopetalum Helen-Ku Originator: L. Batchman 2012

CARE LEVEL: Easy to Moderate

LIGHT: Bright light from East or West window

TEMPERATURE: 55° - 65°F nights, 75° - 85°F days

HUMIDITY: 50% - 80% RH

WATERING: Water once or twice a week during active growth, less in winter

FERTILIZING: Use weak fertilizer every two weeks throughout the year

REPOTTING: Repot in coconut chips, bark and perlite anytime but winter. An application of dolomitic limestone can be applied.

