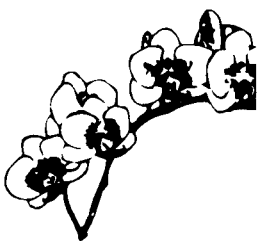


Dendrobium: Light and Temperature: 1500-3000 foot-candles bright light with no direct sun. They prefer warmer day temperatures between 75°-85° F and night temperatures around 60° F. **Watering and Fertilizing:** Dendrobiums should be allowed to almost dry out between waterings. Feed **Dyna-Gro™ Liquid Grow 7-9-5** at the rate of 1/2 tsp./gal. of water with each watering. To promote flowering, feed **Dyna-Gro™ Liquid Bloom 3-12-6** or **Mag-Pro™ 2-15-4** at the same rates and frequencies beginning four to five weeks before spike initiation. Use **Pro-TeKt®** at 1/4 to 1/2 tsp./gal. of water year round to strengthen plants. **Repotting:** Should be done every two to three years if in bark mix or when they outgrow the pot. **Coarse Dyna-Rok®** or medium fir bark should be used for mature plants, while seedling like **Fine Dyna-Rok®** or fine fir bark. Dendrobiums like to be somewhat crowded in the pot. **Australian and Nobile Dendrobiums:** Dendrobium kingianum and many other Australian species will tolerate a wide range of temperatures. They like very bright light and will tolerate temperatures up to 90° F and as low as 32° F. Allow them to dry out some during late fall and early winter. A drop in night temperature to 50° F for at least a month in late winter will help promote bud set. Feed with every watering the same as other Dendrobiums.

Ondontoglossum: Light and Temperature: Bright filtered light with no direct sun. Leaves should be a medium green in color with a slight pinkish tinge which indicates maximum light levels around 1,000 foot candles. Maintain a cool environment with good air circulation, 70°-75° F day temperatures and 50°-55° at night. **Water and Fertilizing:** Plants should not be allowed to dry completely. Water when almost dry. Pseudobulbs will shrivel slightly if the plant is too dry. Feed **Dyna-Gro™ Liquid Grow 7-9-5** at the rate of 1/2 tsp./gal. of water with each watering. To promote flowering, feed **Dyna-Gro™ Liquid Bloom 3-12-6** or **Mag-Pro™ 2-15-4** at the same rates and frequencies beginning four to five weeks before spike initiation. Use **Pro-TeKt®** at 1/4 to 1/2 tsp./gal. of water year round to strengthen plants. **Repotting:** Plants should be repotted at least every two years or when the potting mix has broken down. Odonts prefer **Fine Dyna-Rok®** or a fine grade fir bark. After removing all the dead or rotted roots, choose a pot where the roots fit somewhat snugly. Do not over pot. The best time to repot is when a new growth is 1-3 inches long.



Phalaenopsis: Light and Temperature: 1,000 foot-candles bright filtered light with no direct sun. Leaves should be glossy medium green and should increase in size with each new leaf. Old bottom leaves that turn brown and fall off is normal. Maintain a warm environment with good air movement, temperatures between 75°-95° days and 60° nights. A 15°-20° day to night differential is required for flowering. Bloom spike initiation can be encouraged by night temperatures in the low 50°s and using a bloom formula such as **Dyna-Gro™ Liquid Bloom** or **Mag-Pro™**. **Watering and Fertilizing:** Plants should not be allowed to dry completely. Water when almost dry, usually once a week in bark or **Dyna-Rok®**. Be especially cautious of over watering if in a soil like mix such as Pro-Mix or Sunshine #4. Feed **Dyna-Gro™ Liquid Grow 7-9-5** at the rate of 1/2 tsp./gal. of water with each watering. To promote flowering, feed **Dyna-Gro™ Liquid Bloom 3-12-6** or **Mag-Pro™ 2-15-4** at the same rates and frequencies beginning four to five weeks before spike initiation. Use **Pro-TeKt®** at 1/4 to 1/2 tsp./gal. of water year round to strengthen plants. If in Pro-Mix or Sunshine mix, double the amount of nutrients for each three to four week watering. **Repotting:** Plants should be repotted when the potting mix has broken down, if in bark. **Coarse Dyna-Rok®** or medium bark should be used for mature plants, while **Fine Dyna-Rok®** or bark is best for seedlings. The best time to repot is in the Spring and Summer.

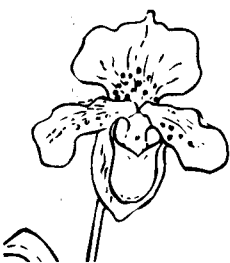


Masdevallia: Light and Temperature: 1500 foot-candles bright filtered light with no direct sun. The leaves should be medium green in color. Maintain a cooler environment with good air circulation and day temperatures of 70°-75° F and nights around 50° F. **Watering and Fertilizing:** Masdevallias should be kept moist at all time. Feed **Dyna-Gro™ Liquid Grow 7-9-5** at the rate of 1/4 tsp./gal. of water with each watering. To promote flowering, feed **Dyna-Gro™ Liquid Bloom 3-12-6** or **Mag-Pro™ 2-15-4** at the same rates and frequencies beginning four to five weeks before spike initiation. Use **Pro-TeKt®** at 1/4 to 1/2 tsp./gal. of water year round to strengthen plants. **Repotting:** Masdevallias should be repotted when the medium has broken down. New Zealand sphagnum moss, fine fir bark or **Fine Dyna-Rok®** should be used.

Paphiopedilum: Light and Temperature: 600-2,000 foot-candles bright filtered light with no direct sun. Mottled leaf or warm growing Paphs prefer a day temp with a maximum to 75°-80° F and a night minimum of 50°-60° F. Paphs vary widely by parentage so check with the grower for cultural requirements on specific varieties. **Watering and Fertilizing:** Paphs should be kept moist and not allowed to dry completely. Feed **Dyna-Gro™ Liquid Grow 7-9-5** at the rate of 1/4 tsp./gal. of water with each watering. To promote flowering, feed **Dyna-Gro™ Liquid Bloom 3-12-6** or **Mag-Pro™ 2-15-4** at the same rates and frequencies beginning four to five weeks before spike initiation. Use **Pro-TeKt®** at 1/4 to 1/2 tsp./gal. of water year round to strengthen plants. **Repotting:** Paphs should be repotted at least every two years in a fine grade of fir bark or **Fine Dyna-Rok®**. They prefer to be somewhat crowded in the pot, so do not over pot.



Paphiopedilum: Light and Temperature: 600-2,000 foot-candles bright filtered light with no direct sun. Mottled leaf or warm growing Paphs prefer a day temp with a maximum to 75°-80° F and a night minimum of 50°-60° F. Paphs vary widely by parentage so check with the grower for cultural requirements on specific varieties. **Watering and Fertilizing:** Paphs should be kept moist and not allowed to dry completely. Feed **Dyna-Gro™ Liquid Grow 7-9-5** at the rate of 1/4 tsp./gal. of water with each watering. To promote flowering, feed **Dyna-Gro™ Liquid Bloom 3-12-6** or **Mag-Pro™ 2-15-4** at the same rates and frequencies beginning four to five weeks before spike initiation. Use **Pro-TeKt®** at 1/4 to 1/2 tsp./gal. of water year round to strengthen plants. **Repotting:** Paphs should be repotted at least every two years in a fine grade of fir bark or **Fine Dyna-Rok®**. They prefer to be somewhat crowded in the pot, so do not over pot.



NOTE: When repotting all Orchids, **Dyna-Gro™ Liquid Bloom**, **K-L-N**, **The Rooting Solution™** and **Pro-TeKt**, **The Silicon Solution®**, should be used to promote new root growth to quickly acclimate the new plant to the new medium. **Dyna-Rok®** used for repotting should be prepared in advance. Rinse the **Dyna-Rok®** to remove excess dust and residue. Soak the **Dyna-Rok®** in a bucket of water that has 1 tsp. of **Dyna-Gro™ Liquid Bloom** and 1/2 tsp. of **Pro-teKt**, **The Silicon Solution®** added to each gallon of water. Add one Tbl. of **K-L-N™ Rooting Solution** to the soak water to promote rooting. Allow to soak for a few hours or overnight if possible. The addition of soluble silicon helps reduce stress to the plant during transplanting and reduce losses to fungus and dehydration, while the **Dyna-Gro™ Liquid Bloom** provides nutrition for the growing plant and helps to neutralize residual lime used in the manufacturing process of the **Dyna-Rok™**. Fresh orchid bark should be soaked in a similar solution for two to three days prior to repotting to prevent the bark from dehydrating the plant.