



# GENERAL GROWING RECOMMENDATIONS



## thrivers™ 50 PLUG PERENNIALS

**PLEASE NOTE:** The following items (and others) *may have no visible top growth* when received. This is normal because these species emerge only from root tubers. These varieties may be induced to grow sooner with warmer night time temperatures of 65° – 70° F.

- |                            |                         |                              |
|----------------------------|-------------------------|------------------------------|
| Aegopodium                 | Ceratostigma (plumbago) | Perovskias                   |
| Amelopsis                  | Delphiniums             | Physalis                     |
| Aruncus                    | Echinaceas              | Platycodens (Balloon Flower) |
| Asclepias Butterfly Flower | Heliopsis               | Pyrethrums                   |
| Aster, Purple Dome         | Houttuynia              | Trumpet Vines                |
| Aster, Alma Potschke       | Native Prairie Grasses  | And others                   |
| Baptisias                  | Oenothera               |                              |

**POT SIZE:** 4", 4 ½" or 1 quart = 1 plug      1 gallon = 1 or 2 plugs


**SOIL:** Well drained with a low nutrient charge.

**TEMPERATURE:** Night time growing on 62° - 65°F, Day time 65° - 70°F. After plants reach saleable size, night temperatures can be lowered to 50° - 55°F to keep plants compact. Bottom heat is not recommended due to excessive stretch, except on slow growing varieties. A 4° - 6° temperature D.I.F. (days cooler than nights) can also be used to keep plants compact.

**WATERING:** Keep soil moist until roots reach the edge of the pot, then let soil dry to touch between watering.

**FERTILIZING:** Wait 1-2 weeks after transplanting, then 100-150 PPM 1-2 times per week until plants reach saleable size, then 150 PPM often enough to keep plants green. 15-5-15 (or other nitrate based fertilizers) alternated with 20-10-20 is preferred. PPM may vary with different soil mixes.

**SCHEDULING:** Most varieties will be saleable 7-8 weeks after planting in 4" to 1-quart pots. Allow 9-12 weeks for 6" or gallon pots.

**LIGHTING:** Long day plants need to be lighted from 10:00 p.m. to 2:00 a.m., or 3:00 a.m. to sunrise, before April 1, to grow properly. Warm night temperatures (above 65°-70°) will also help to encourage growth. One incandescent light per 100 flats is sufficient. Lighting may have to be turned off if growth is excessive. Following is a list of perennials that require lighting for proper growth: (these items are also marked with a  Light Bulb on your 50 Plug Listing)

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|---------------------------|-----------------------------------|--------------------------------------|--------------------------------|
| Actinidia Kiwi Vine       | Chelone Obliquas                  | Herb, Sweet Woodruff                 | Polygonum Silver Lace Vine     |
| Agapanthus                | Clematis Radar Love               | Hibiscus                             | Rudbeckia Goldstrum            |
| Akebia Chocolate Vine     | Coreopsis (All Verticillatas)     | Houttuynia                           | Sedum, Autumn Joy              |
| Amelopsis Porcelain Vine  | Echinaceas                        | Inula                                | Sedum, Bertram Anderson        |
| Artemisias                | Eupatoriums                       | Linum Flavum                         | Sedum, Kamtschaticum Varigatum |
| Aruncus                   | Euphorbia, Chameleon & Polychroma | Lysimachia, Clethroides & Beaujolais | Sedum, Ewersii                 |
| Asclepias                 | Grass, Corkscrew Rush             | Monarda, Petite Delight              | Sedum, Rosy Glow               |
| Aster, Alma Potschke      | Grass, Crimson Fountain           | Monarda, Marshall's Delight          | Sedum, Selskianum Varigata     |
| Aster, Purple Dome        | Grass, Eaton Canyon               | All Native Prairie Grasses           | Sedum, Sieboldi                |
| Aster, Woods Pink         | Grass, Fountain Grass             | All Native Prairie Plants            | Sedum, Spectabile Brilliant    |
| Aster, Woods Purple       | Grass, Northern Sea Oats          | Parthenocissus, Boston Ivy           | Tradescantias                  |
| Baptisias                 | Grass, Raven Grass                | Perovskias                           | Trumpet Vines                  |
| Boltonias                 | Heliopsis                         | Phlox, Paniculatas                   | Verbena, Shauna Ann            |
| Campanula Carpatica Clips | Herb, French Tarragon             | Physalis                             | Veronica, Sunnyborder Blue     |
| Ceratostigma (Plumbago)   | Herb, Ginger Mint                 | Physostegia Variegated               | Veronica, Royal Candles        |