PANSY (VIOLA WITTROCKIANA) F, INSPIRE® PLUS SERIES

The New Milestone in Large-Flowered Pansies!

- Most advanced breeding in large-flowered pansies
- Uniform and compact
- Short flower stems – plants don’t stretch!
- Good overwintering
- Outstanding seedling quality
Inspire® Plus is the new outstanding large-flowered pansy series.

It is ideal for early spring and fall production. Beefy leaves fill the pots quickly. Inspire® Plus stands out with excellent timing and the tightest flowering window on the market.

Depend on Inspire® Plus to consistently perform in packs, pots and in the landscape!

### Timing Inspire® Plus Series

<table>
<thead>
<tr>
<th>Variety</th>
<th>Days from sowing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange</td>
<td>85</td>
</tr>
<tr>
<td>Violet Face</td>
<td>80</td>
</tr>
<tr>
<td>White</td>
<td>80</td>
</tr>
<tr>
<td>White Blotch</td>
<td>80</td>
</tr>
<tr>
<td>Yellow</td>
<td>80</td>
</tr>
<tr>
<td>Lemon Blotch</td>
<td>80</td>
</tr>
<tr>
<td>Beaconsfield</td>
<td>80</td>
</tr>
<tr>
<td>Blue Blotch</td>
<td>80</td>
</tr>
<tr>
<td>Marina</td>
<td>80</td>
</tr>
<tr>
<td>Red Blotch</td>
<td>80</td>
</tr>
<tr>
<td>True Blue</td>
<td>80</td>
</tr>
<tr>
<td>Violet</td>
<td>80</td>
</tr>
<tr>
<td>Yellow Blotch</td>
<td>80</td>
</tr>
<tr>
<td>Yellow Purple Wing</td>
<td>80</td>
</tr>
</tbody>
</table>

50% Flower
Inspire® Plus Mixes – Great for Spring or Fall

- Maxi Mix
- Sunny Day Mix
- Mardi Gras Mix
- Sun ‘n Surf Mix
- Inspire® Plus Red Blotch
- Beaconsfield
- Blue Blotch
- Lemon Blotch
- Marina
- Orange
- Red Blotch
- True Blue
- Violet
- Violet Face
- White
- White Blotch
- Yellow
- Yellow Blotch
- Yellow Purple Wing
- True Blue
- Red Blotch
- Marina
- Orange

NEW
Technical Information
Pansy (Viola wittrockiana) F1, Inspire® Plus Series

Product Use: Packs, pots, mixed containers and landscape/mass plantings

Plug Culture
Germination: Maintain optimal conditions for seedling development, should begin on the day of sowing until radicle emergence. Expect radicle emergence in 2-4 days.
Cover: Cover lightly with a thin layer of coarse vermiculite.
Sowing method: 1 seed per plug
Media: pH 5.5-5.8, EC < 0.5
Temperature: Maintain 65-68 °F (18-20 °C) until root emergence, then lower the temperature gradually to 62-65 °F (17-18 °C).
Moisture: Begin with saturated (5) for days 1-5 and then reduce to a moist (3) on day 6. As the seedlings become fully developed with expanded cotyledons the moisture level can be decreased further to a medium (2) on day 9. At this point alternate between a wet (4) and a medium (2) between watering.
Humidity: 95-100 % until day 5; then reduce to 40-60 % to prevent hypocotyl stretch. Provide proper ventilation and horizontal airflow to improve oxygen levels in the media.
Light: Light is not necessary for germination to occur. If using a germination chamber providing a light source of 10-100 ft. candles (100-1,000 lx) will improve germination and overall quality. Going into the second stage of germination, on approximately day 6-7 the light levels can be increased to 6-8 mols/day, 2,000-2,500 ft. candles (20,000-25,000 lx). This is after germination is finished.
Fertilizer: Begin feeding early using a calcium-based fertilizer at lower rates to keep an adequate amount of calcium and nitrogen supplied to the seedlings. On days 5-7 begin feeding with a calcium-based fertilizer (14-2-14; 13-2-13; 15-5-15 or 17-5-17) at 50-60 ppm. Maintain the EC between 0.5 and 0.75. Keep phosphorous levels between 6-8 ppm and boron supplied at 0.5 ppm.

Growing On
5-6 weeks from sowing using a 288 plug tray. Under optimal conditions plugs are ready at 5 weeks.
Media: pH 5.5-5.8 Keep the pH in the lower range. EC 1.25-1.5
Light: Provide 14-22 mols/day, 4,000-6,000 ft. candles (35,000-50,000 lux).
Temperature: Maintain 68-70 °F (20-21 °C) nights, 64-67 °F (18-19 °C) days for the first 14 days or until the roots reach the bottom of the container. Thereafter temperatures may be lowered to 62-65 °F (16-18 °C) day and night. An ADT (average daily temperature of 67 °F (19 °C) will give the fastest finished crop.
Fertilizer: Fertilize with a calcium-based feed – 14-4-14; 15-5-15 or 17-5-15 at 100-150 ppm as needed. Phosphorus levels should be between 8-12 ppm and Boron between 0.5-0.75. Keeping the EC below 1.5 will help prevent root problems.
Fungicide: Apply fungicides as needed to control root and leaf diseases. Follow the labels recommended rates.
Common Diseases: Botrytis, alternaria leaf spot, downy mildew, thielaviopsis root rot and cercospora leaf spot.
Pests: Primarily aphids and thrips.
Post Harvest: Fertilize with potassium nitrate at 150 ppm 1-2 weeks prior to shipping.

---

<table>
<thead>
<tr>
<th>Spring Crop Time</th>
<th>Plug</th>
<th>Finished (from 288 tray)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packs</td>
<td>5-6 weeks</td>
<td>6-7 weeks</td>
</tr>
<tr>
<td>4” / 10 cm pots</td>
<td>5-6 weeks</td>
<td>7-8 weeks</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer and Fall Crop Time</th>
<th>Plug</th>
<th>Finished (from 288 tray)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packs</td>
<td>5-6 weeks</td>
<td>4-5 weeks</td>
</tr>
<tr>
<td>4” / 10 cm pots</td>
<td>5-6 weeks</td>
<td>5-6 weeks</td>
</tr>
</tbody>
</table>

---

Ernst Benary of America, Inc.
2759 Wagner Court, Suite C
DeKalb, IL 60115-8609, USA
Phone: +1 815 756 4546
Fax: +1 815 756 9128
E-Mail: info@benary.com

www.benary.com