

## The Grasses of Fantastic Foliage™

### Approximate Multi-Seed Pellet Counts

Variety	MPL/oz.	MPL/g
Deschampsia Zephyr	4,876	172
Eragrostis Wind Dancer	5,670	200
Isolepis Live Wire	8,136	287
Juncus Blue Arrows	29,768	1,050
Juncus Blue Dart	19,901	702
Juncus Javelin	28,237	996
<u>Juncus Twisted Arrows (multi-species multi-pellet)</u>	<u>25,515</u>	<u>900</u>
Koeleria Blue Sprite	7,995	282
Stipa Capriccio	4,026	142
Stipa Sirocco	4,876	172

### Plug Production

#### Media

Use a well-drained, disease-free, soilless media with a pH of 5.5 to 6.2 and a medium initial nutrient charge (EC 0.75 mmhos/cm).

#### Sowing

Sow multi-seed pellets in 400 to 288-cell trays. In Europe, pellets can be sown in 264-cell trays. Do not cover pellets.

### Days to Germinate

Variety	Days to Germinate
Deschampsia Zephyr	3-4
Eragrostis Wind Dancer	2-3
Isolepis Live Wire	6
Juncus Blue Arrows	12
Juncus Blue Dart	7-8
Juncus Javelin	5-6
<u>Juncus Twisted Arrows</u>	<u>7-8</u>
Koeleria Blue Sprite	4-5
Stipa Capriccio	4-5
Stipa Sirocco	5-6

### Stage 1

**Soil temperature:** 64 to 75°F (18 to 24°C)

**Light:** Required for germination and early seedling growth.

**Moisture:** Keep soil wet (level 4) during Stage 1.

**Humidity:** Maintain 100% relative humidity (RH) until radicles emerge.

### Stage 2

**Soil temperature:** 64 to 70°F (18 to 21°C)

**Light:** Up to 2,500 f.c. (26,900 Lux)

**Moisture:** Reduce soil moisture slightly (level 3) to allow the roots to penetrate into the media.

**Fertilizer:** Apply fertilizer at rate 1 (less than 100 ppm N/less than 0.7 mS/cm EC) from nitrate-form fertilizers with low phosphorous.

### Stage 3

**Soil temperature:** 64 to 68°F (18 to 20°C)

**Light:** Up to 2,500 f.c. (26,900 Lux)

**Moisture:** Allow media to dry until the surface becomes light brown (level 2) before watering. Do not allow the seedlings to wilt.

**Fertilizer:** Increase fertilizer to rate 2 (100 to 175 ppm N /0.7 to 1.2 mS/cm EC).

**Growth Regulators:** Not needed.

### Stage 4

**Soil temperature:** 64 to 66°F (18 to 19°C)

**Light:** Up to 5,000 f.c. (53,800 Lux) if temperature can be controlled.

**Moisture:** Maintain wet/dry cycle. Do not allow the seedlings to wilt.

**Fertilizer:** Same as Stage 3.

### Growing On to Finish

#### Media

Use a well-drained, disease-free, soilless media with a pH of 5.5 to 6.2 and a medium initial nutrient charge (EC 0.75 mmhos/cm).

#### Transplanting

Do not bury the plugs too deeply when transplanting.

## Temperature

**Nights:** 59 to 64°F (15 to 18°C)

**Days:** 62 to 74°F (17 to 23°C)

These grasses can be grown under temperatures as low as 50°F (10°C) but the crop time will increase significantly.

*See crop scheduling chart for additional cultural suggestions.*

## Light

Maintain light levels as high as possible if temperature can be controlled.

## Irrigation

Maintain medium moisture conditions. [See crop scheduling chart for additional watering suggestions.](#)

## Fertilizer

Apply fertilizer at rate 3 (175 to 225 ppm N/1.2 to 1.5 mS/cm EC) once a week from nitrate-form fertilizer with low phosphorus. Avoid using excessive ammonia nitrogen-form fertilizers and overfeeding, as these will result in less upright plants.

## Growth Regulators

PGRs are not needed. However, for Juncus Javelin, a Bonzi (paclobutrazol) spray at 30 ppm (7.5ml/l, 0.4% formulation) 2 weeks after transplant is beneficial to reduce leaf bending by making the plants more compact and stronger.

## Pinching

Pinching is not needed.

## Spacing

Can be grown pot tight.

## Container Size

**306 Premium pack:** 1 plug per cell

**2.5-in. (6-cm) pot:** 1 plug per cell

**4-in. (10-cm) pot:** 1 plug per pot

**6-in. (15-cm) pot:** 1 to 3 plugs per pot

**1-gallon (18-cm) pot:** 1 to 3 plugs per pot

## Common Problems

[No major insect or disease issues.](#)

## Crop Scheduling

Variety	Sow to Transplant	Transplant to Finish*	Cultural Notes
Deschampsia Zephyr	4-5	5-6	Do not allow plants to wilt.
Eragrostis Wind Dancer	3-5	5-6	Cooler temperatures will help to make a more compact plant.
Isolepis Live Wire	5-6	5-6	Do not allow plants to wilt.
Juncus Blue Arrows	5-6	6-7	<a href="#">Can be grown under saturated conditions.</a>
Juncus Blue Dart	6-7	6-7	<a href="#">Can be grown under saturated conditions.</a>
Juncus Javelin	5-6	5-6	High light and Bonzi spray will make plants more compact and stronger.
<a href="#">Juncus Twisted Arrows</a>	<a href="#">5-6</a>	<a href="#">6-8</a>	<a href="#">Can be grown under saturated conditions.</a>
Koeleria Blue Sprite	5-6	6-7	
Stipa Capriccio	4-5	6-7	
Stipa Sirocco	5-6	6-8	Coloration is better under cool conditions with high light.

\*The transplant to finish time for 6-in. (15-cm) and gallon containers is based on 3 plugs per pot. Add 2 more weeks to the crop time when planting 1 plug per 6-in. (15-cm) and gallon (18-cm) container.

**Note:** Growers should use the information presented here as a starting point. Crop times will vary depending on the climate, location, time of year and greenhouse environmental conditions. Chemical and PGR recommendations are only guidelines. It is the responsibility of the applicator to read and follow all the current label directions for the specific chemical being used in accordance with all regulations.

### Garden and Landscape Information

Variety	Garden Height	Garden Spread	Spacing	USDA Hardiness Zone*
Deschampsia Zephyr	6-8 in. (15-20 cm)	10-12 in. (25-30 cm)	8-10 in. (20-25 cm)	Zone 7 (0°F/-18°C minimum temperature)
Eragrostis Wind Dancer	36-48 in. (90 cm-1.2 m)	36-48 in. (90 cm-1.2 m)	14-16 in. (35-40 cm)	Zone 6 (-10°F/-23°C minimum temperature)
Isolepis Live Wire	6-8 in. (15-20 cm)	18-20 in. (45-50 cm)	Containers only	Annual
Juncus Blue Arrows	36 in. (90 cm)	12 in. (30 cm)	10-12 in. (25-30 cm)	Zone 5 (-20°F/-29°C minimum temperature)
Juncus Blue Dart	14-16 in. (35-40 cm)	10-12 in. (25-30 cm)	8-10 in. (20-25 cm)	Zone 5 (-20°F/-29°C minimum temperature)
Juncus Javelin	48 in. (1.2 m)	18-20 in. (45-50 cm)	12-14 in. (30-35 cm)	Zone 7 (0°F/-18°C minimum temperature)
<u>Juncus Twisted Arrows</u>	<u>18-36 in. (45-90 cm)</u>	<u>12-18 in. (30-45 cm)</u>	<u>12-14 in. (30 to 35 cm)</u>	<u>Zone 5 (-20°F/-29°C minimum temperature)</u>
Koeleria Blue Sprite	6-8 in. (15-20 cm)	10-12 in. (25-30 cm)	8-10 in. (20-25 cm)	Zone 5 (-20°F/-29°C minimum temperature)
Stipa Capriccio	14-16 in. (35-40 cm)	24-28 in. (60-70 cm)	12-14 in. (30-35 cm)	Zone 7 (0°F/-18°C minimum temperature)
Stipa Sirocco	12-14 in. (30-35 cm)	22-24 in. (55-60 cm)	10-12 in. (25-30 cm)	Zone 7 (0°F/-18°C minimum temperature)

630 231-1400  
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