

## Papaver Champagne Bubbles F<sub>1</sub> Series

(*Papaver nudicaule*)

Perennials Culture (revised 01/20/21)

**Plug crop time:** 4 to 5 weeks

**Transplant to finish:** 5 to 6 weeks

- Hybrid vigour delivers uniform flowers, earliness and long-lasting garden performance compared to O.P. varieties.
- Many large, cup-shaped flowers top bushy, strong-stemmed plants.
- Performs well in hot-day, cool-night conditions.
- Good Winter item in Florida, California and similar climates.

### General Information

| Exposure         | Bloom Season         | Height            | Spread           | Spacing               |
|------------------|----------------------|-------------------|------------------|-----------------------|
| Partial Sun, Sun | Early Spring, Spring | 15 in.<br>(38 cm) | 6 in.<br>(15 cm) | 6-8 in.<br>(15-20 cm) |

### Germination

| Seed Form | Recommended Plug Size | Seeds/Cell | Plug Crop Weeks | Days from 50% to maximum germination | Initial Media pH/EC (1:2)   | Cover Seed  |
|-----------|-----------------------|------------|-----------------|--------------------------------------|-----------------------------|-------------|
| PRM       | 288                   | 1          | 4-5             | 7-12                                 | 5.5-6.0 pH<br>0.75 mmhos/cm | Light cover |

### Plug Production

|                    | Stage 1              | Stage 2                                 | Stage 3                                 | Stage 4                                 |
|--------------------|----------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| <b>Moisture</b>    | Level 4              | Level 3                                 | Level 2                                 | Level 2                                 |
| <b>Temperature</b> | 64-68°F<br>(18-20°C) | 60-65°F<br>(16-18°C)                    | 60-65°F<br>(16-18°C)                    | 60-65°F<br>(16-18°C)                    |
| <b>Light</b>       | Optional             | 2,000-2,500 f.c.<br>(21,500-26,900 Lux) | 2,000-2,500 f.c.<br>(21,500-26,900 Lux) | 4,000-5,000 f.c.<br>(43,100-53,800 Lux) |
| <b>Fertiliser</b>  |                      | 100 to 175 ppm N<br>(0.7 to 1.2 EC)     | 100 to 175 ppm N<br>(0.7 to 1.2 EC)     | 100 to 175 ppm N<br>(0.7 to 1.2 EC)     |

### Vernalisation

No

### Propagation Key Tips

Spray damp-off fungicide. Avoid high pH (>6.1) that causes chlorosis from iron deficiency.

### Growing on to Finish

| Growing on Temperature                             | Target Media pH/EC (1:2)       | Fertiliser                          | Daylength   |
|----------------------------------------------------|--------------------------------|-------------------------------------|-------------|
| (day) 50-55°F (10-13°C)<br>(night) 40-45°F (4-7°C) | 5.5-6.0 pH<br>1.2-1.4 mmhos/cm | 175 to 225 ppm N<br>(1.2 to 1.5 EC) | Day Neutral |

### Crop Scheduling

| Crop Type | Container Size       | Plugs/Pot | Crop Time    | Season      | PGR |
|-----------|----------------------|-----------|--------------|-------------|-----|
| Annual    | 4"/4.5"/Quart/10 cm  | 1 (ppp)   | 5-10 (weeks) | Late Spring | -   |
| Annual    | 5"/6"/1 Gallon/15 cm | 2-3 (ppp) | 6-11 (weeks) | Late Spring | -   |

## Fertiliser Notation

Light to moderate feeders, but watch out for under fertilization after Winter, once growth restarts. Prone to both Mg and Fe deficiencies, showing as interveinal chlorosis.

## Common Problems

Needs average irrigation, well drained, not overly wet or dry. Insects: Leaf Miners, Spider Mites, Thrips, and Leafhoppers Disease: Botrytis (from growing too wet, low drainage and ventilation)

## Finishing Key Tips

Suffers from chlorosis at high pH (above 6.1), due to iron deficiency. Moderate fertilization, well-drained soil.

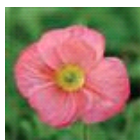
NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to confirm the treatment is available in their region as well as read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

## Variety Pictures

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Orange



Pink



Scarlet



White



Yellow



Mixture



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