### Cut Flower Culture

**Culture**
- Greenhouse/open field

**Sowing Method**
- Direct seeding (DS): 1 gr per m² or 30 kg/ha in rows: 30 cm
- Pre-sow and transplant (TP): (not recommended)
  - Sow: 1 seed per plug
  - Soil: Well-drained fertile soil

**Germ Temp.**
- 12-16°C (54-60°F)

**Growing Temp.**
- 21-24°C (70-75°F)

**Plug Crop Time**
- 1 week

**Crop Duration**
- 10 - 14 weeks from sowing

**Seed Requirement**
- 1 gr per m²
- 30 kg/ha

**Pests/Diseases**
- Aphids, leaf miners, Botrytis, Colletotrichum carthamii, Pseudomonas marginalis. A preventive fungicide treatment is advised.

**Fertilization (f)**
- Moderate fertilisation, low on N. Yellowing of the leaves is treated with a liquid feed of Mg and Mn.

**Soil/Media**
- Well-drained fertile soil with good Mn level

**Netting**
- Support is advised.

**Pinching**
- Not necessary. See also note below.

**Plant Density**
- Row distance 30 cm (12 in.). If necessary, thin to 6 cm (2.5 inches) apart.

**Moisture (m)**
- Keep soil humid until all seeds have germinated. Overhead irrigation until flowering. Avoid large differences in humidity levels.

**Temperature (t)**
- Day: 21-24°C (70-75°F)
- Night: 10-13°C (10-13°F)

**Light (l)**
- Additional light (up to 18 hours) will accelerate flowering but with shorter stems and less side shoots.

### Cultivation Tips
Coated and calibrated seeds are available for uniform growth.
- Prevent the seeds to be eaten by birds and mice after sowing.
- High temp. (>25°C) inhibits germination. In that case soak (raw) seeds for 10 hours prior to sowing or irrigate the evening prior to sowing.
- Successive sowings will prolong the harvest season.

### Note
- The first flower can be removed in order to harvest one stem with 2 or 3 flowering side shoots.
- Daminozide (Alar 64 SP) improves plant habit in early plantings. It will slightly delay flowering, though.

### Harvest
- Harvest when flowers start colouring (or as green buttons).
- For post harvest treatments, see: www.vbn.nl/en/longevity or www.vbn.nl/houdbaarheid

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This information is for general guidance only, and is in some cases specific for West European conditions. No guarantee is given for the result of the crop, nor is liability accepted for the consequences of applying the indications given.