

annual (biennial)
450 s/gr
Seed form

Delphinium consolida

CUT FLOWER CULTURE

culture greenhouse/open field

sowing method DS (TP)

sowing season

germ temp. 10-15°C (50-59°F)

growing temp. 15-20°C (59-68°F)

plug crop time

2 - 3 weeks

crop duration

5 months from sowing

seed requirement

100 gr for 100 m²

5 grams for 1000 plants

pests/diseases

Pythium, Sclerotinia, mildew. Start with coated seeds in order to protect the seedlings from soil diseases.

fertilization (f)

Moderate requirement for a well-balanced fertilizer, applied weekly. Delphinium is sensitive to high salts.

SOWING DETAILS

- Direct sowing (DS):

Direct drilling is advised as Delphinium forms a taproot. Open field sowing: early spring or late summer.

Sow 0,3 gr/m¹
in rows of 25-30 cm
Cover with 0,5 cm soil and press slightly. When the soil forms a crust, cover with a smaller layer.

(m) level 4

(t) soil temp. 10-15°C (50-59°F)

Germination time 14-20 days

- Pre-sow and transplant (TP) (only done for early season plantings):

sow : 1 seed per plug
cover : lightly with medium vermiculite
further details: see above.

Transplant as soon as possible in order not to disturb the root system.

GROWING ON

soil/media

any well-drained soil with moderate fertilization level.

netting

Netting is advised - one or two layers.

pinching

Pinching is not necessary.

plant density

Row distance 25-30 cm.

When planted: 64 plants/m² (5-6 pl/ft²)

moisture (m)

Avoid high humidity (greenhouse crops) and keep plants as dry as possible to prevent mildew.

temperature (t)

Optimum growing temperature is 15-20°C (59-68°F). For late spring greenhouse culture temperature should be between 5-24°C (41-75°F).

light (l)

Minimum light requirement is 8 hours per day.

CULTIVATION TIPS

- Delphinium germinates best when day/night temperatures are alternated.
- Crop rotation (min. 6 years) - also with Nigella species - is advised to avoid soil diseases.

NOTE

- Sow outdoors early spring (NL April) for flowering late summer (NL August).
- Sow late summer (NL mid-Sept.) for flowering late next spring.
- Larkspur is only winterhardy in juvenile-stage.

HARVEST

Open field crops can be harvested in one go. Post harvest treatment is advised to prevent scattering and thus extend vase life. For post harvest treatments, see: www.vbn.nl/en/longevity or www.vbn.nl/houdbaarheid

moisture levels (m): 1 = dry 2 = normal to dry 3 = normal 4 = moist 5 = wet

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.