

annual
100 s/gr
Seed form

Zinnia elegans tall

CUT FLOWER CULTURE

culture open field

sowing method DS/TP

sowing season

early spring until mid summer

germ temp. 20-22°C (68-72°F)

growing temp. 15-18°C (59-64°F)

plug crop time

3,5 - 5 weeks

crop duration

5-6 weeks from planting (TP)

12 - 14 weeks open field (DS)

seed requirement

0,5 grams/m¹

70 gr/100 m²

pests/diseases

Aphids, Thrips, Sclerotinia, downy mildew. Alternaria blight is the most common and troublesome.

fertilization (f)

Medium requirement for a well-balanced NPK fertilizer

SOWING DETAILS

- Direct sowing (DS):
Sow 0,5 grams/running meter in rows 30 cm apart (large-flwd) or 25 cm apart (small flwd)

Germination time 10 days

- Pre-sow and transplant (TP):
early spring (for planting when frost danger is past) until mid summer.

media: sterile sowing mix

Sow : 1 seed per plug (288 tray)

Cover : lightly cover with vermiculite

days 1 - 7

(m) level 4

(t) 20-22°C (68-72°F)

(l) 11.000-27.000 lux (1000-2500 fc)

(f) < 100 ppm N, < 0.7 EC

days 8 - 21

(m) level 4

(t) 15-18°C (59-64°F)

(l) 27.000-54.000 lux (2500-5000 fc)

(f) 100-175 ppm N, 0.7-1.2 EC

GROWING ON

soil/media

any well-drained, humus-rich fertile soil

netting

Optional - see cultivation tip.

pinching

Pinching is not advised.

plant density

large flowered:

20-32 plants/m² (2-3 plants/ft²)

small flowered: 56-64 per m² (5-6/ft²)

moisture (m)

Keep rather moist, level 3-4.

temperature (t)

Optimum growing temperature is 15-18°C (59-64°F). An active climate is beneficial.

light (l)

High light, full sun. Zinnia roots are rather sensitive, so protect roots from the sun if necessary.

CULTIVATION TIPS

- When exposed to windy areas a support around the flowerbeds can prevent flowers to drop or bend.

NOTE

- Thanks to modern post harvest treatments Zinnia gains popularity as vase-life has increased.

HARVEST

Harvest when flowers are 60-70% open.

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.