

annual (HhP)
2800 s/gr
Seed form

Ranunculus asiaticus tall

CUT FLOWER CULTURE

culture greenhouse

sowing method TP

sowing season

germ temp. 10-13°C (50-55°F)

growing temp. 10-14°C (50-57°F)

plug crop time

7 - 10 weeks

crop duration

14-16 weeks from planting

seed requirement

2,5 gr for 1000 plants

pests/diseases

Aphids, whitefly, leaf miner, Thrips, fungus gnats. Leafspot, Pythium, Botrytis, Tomato spotted wilt virus.

fertilization (f)

Optimum fertilization:
100-150 ppm N and 1.25-1.75 EC.
Provide 10-15 ppm phosphorus.

SOWING DETAILS

• Pre-sow and transplant (TP):
Sow late summer for spring flowering.

Media: sterile sowing mix,
pH 5,8-6,0 and 0.75-1.0 EC
Sow : 1 seed per plug (288 tray)
Cover : lightly cover with
medium vermiculite

days 1-14
(m) level 4-5, RH 100%
(t) keep cool at 4°C (39°F) for
10-14 days

days 15-28
(m) level 4, RH 40%
(t) 10-13°C (50-55°F)
(l) 15.000-2.000 lux (1500-2000 fc)

days 29-40
(m) level 4
(t) 10-16°C (50-61°F)
(l) 25.000-30.000 lux (2500-3000 fc)
for less than 13,5 hours
(f) 75-125 ppm N, EC of 1.25-1.75
and 8-12 ppm phosphorus

Transplant in autumn/early winter

GROWING ON

soil/media

well-drained, porous, fertile soil
pH 5,8-6,0 and 0.75-1.0 EC

netting

Netting is useful.

pinching

Pinching does not apply.

plant density

32 plants per m² (3 plants/ft²).

moisture (m)

Alternate between moist and wet. RH 40%. Avoid wilting to prevent leaf yellowing. Drip-irrigation is preferred when height is 20-30 cm.

temperature (t)

After planting:

Week 1 - 2: 10-14°C (50-57°F).

Week 3 - 8: 8-10°C (45-50°F) day temp.,
3-6°C (37-43°F) at night.

When buds show: 12-15°C (54-59°F).

light (l)

Obligate long day plant. When 10-12 leaves are present, 13,5 hours of light are needed for flower initiation. As from approx. week 7 after planting optimum lighting is 40.000-50.000 lux (4000-5000 fc).

CULTIVATION TIPS

NOTE

- Ranunculus from seed has sturdier stems than varieties grown from corms.
- Extra light (earlier flowering) is not recommended as it has a negative influence on the quality of the product.

HARVEST

Harvest when the first flower is open. Do not harvest too young, or the side-branches may wilt which reduces 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.