



ECHINACEA purpurea 'Rubinstern'


[Ruby Star]

Ruby Star Purple Coneflower

Item No.: RA183

Portion Price (sufficient for 50-100 plants)	1g Price (0.1-9.9g)	10g Price (10-99.9g)	100g Price (100-999.9g)	1000g Price (1000-9999.9g)	10000g Price (10000-99999.9g)
4,00€	5,40€	42,00€	336,00€	-	-

Plant Description

Life Cycle	Perennial
Family	Asteraceae
Origin	North America: Ohio und Michigan south to Georgia, west to Oklahoma and northeast Texas.
Distinction	Award of Garden Merit (A.G.M.) from the Royal Horticultural Society.
Special Features	More intense, carmine-red colored blossoms compared to the award-winning ECHINACEA 'Magnus'. Horizontal flower petals, shorter petals but with wider disk. Great as a cut flower, either in bloom, or in the early stages of seed development. Cutflower of the Year 2006 in North America.
Historical	Introduced by JELITTO PERENNIAL SEEDS in 2000.
Basic Colour	(red / scarlet / purple)
Flower Colour	Carmine-red
Natural Flowering Period	July - September
Winter Hardiness Zones	Z3 - Z8
Foliage	ovate-lanceolate, 20 x 10 cm (8" x 3")
Growth Habit	erect / clumping
Height with Flowers	100 cm
Spacing between Plants	45 cm
Soil Requirements	well-drained / average
Location	
Usage	honey-bee food plant / suitable for cutting

Cultivation



Grams per 1000 seeds	3.33333 Gram
Seeds per Gram	300 (does not correspond to the number of plants!)
Gram to get 1000 plants	10 Gram (if sown directly into pots etc. you will need a larger quantity)
Sowing Rates/Trays	2 - 3 per cell
Plug tray recommended size(s)	72 / 128
Sowing Direction	(15) Rapidly germinating, keep seed in constant moisture (not wet) with temperatures of about +20 °C [68 °F]. Seeds must be covered thinly. Do not cover very small seeds, but tightly press into the earth. Keep in cooler conditions after germination occurs.

Scheduling

Best Sowing Date	Anytime (northern Hemisphere, Field condition)
Sowing to Germination	2 - 3 weeks
Germination to Transplant	4 - 8 weeks
Transplanting to Potting	6 - 10 weeks
Cutting back at Transplanting	Not Necessary.

Growing On

Container Size(s)	1-2 plugs per 11/12 cm (4 1/2") / 2-3 plugs per 15 cm (6")
Vernalization	Some flowering will occur the first year without vernalization, but improved flowering will occur the 2nd year; and 3-10 weeks of cool temperatures might benefit fuller flowering in the first year.
Forcing	There has been no research, but an obvious place to experiment - following vernalization - would be raising daytime temperatures to 60° - 65°F (15° - 17°C). Provide 16 hours of continuous lighting. During the short days of winter, provide a night interruption lighting of 4 hours between 10:00 p.m. and 2:00 a.m. Some later flowering species can be forced in 14 - 16 weeks and perhaps sooner at warmer temperatures. Further experiments are warranted.
Fertilizer	Medium (150-200 ppm)