



CELOSIA CASTLE SERIES

Celosia plumosa

COLORS AVAILABLE:	Orange, Yellow, Pink, Scarlet, Mix
FLOWER/GARDEN SIZE:	Plume-type celosia, Garden height: 12"-16"
NOVELTY CHARACTERISTIC:	vigorous, semi-dwarf, well branched plants
MARKET USE:	Bedding plant, summer sales; excellent for large outdoor plantings, providing masses of color

CULTURAL RECOMMENDATIONS:

CONTAINER SIZE:	
SOWING:	288 tray or larger
FINISH CONTAINER:	large packs to 4" pots, multiples in larger containers
PLUG STAGE:	
GERMINATION	emergence 8-10 days / 72-75 °F / cover seed lightly
EC (POUR THRU METHOD):	emergence to cotyledon expansion= <0.5 mS/cm cotyledon expansion to plug finish= <1.0 mS/cm
PLUG FINISH TIME:	3 to 5 weeks in a 288 plug tray
FINISHING:	
TRANSPLANT:	20-30 days after sowing
DAYS TO FLOWER:	60-70 days
TEMPERATURE:	70-75 °F day / 65-68 °F night
EC:	1.0-2.6 mS/cm (pour thru method)
pH:	6.0-6.6

GARDEN:

NOTES:

- A nutrient deficiency workup for Celosia has been published in June 2001 issue of *GM Pro*.
- Finishing in packs will take about 9-10 weeks.
- A-Rest, Cycocel, B-Nine, Bonzi & Sumagic have all shown effectiveness on Castle series.
- Dry is best for general guidelines of watering practices, but avoid excessively dry conditions in the seedling stages as stress-related premature flowering may result.
- Seedling vigor has been shown to be fairly sensitive to plug tray size. In trials here in California, plug trays smaller than 288 have stunted young seedlings and lengthened finish time needed for plug crops. This also lengthened time to flower by 5-7 days.