



# Stocks

Available in Plugs & Seed unless otherwise listed

## Cut Flower varieties 2009

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### Stocks matthiola Cultural Informaiton

Column Stocks - Cool Areas												
Series	Summer			Autumn			Winter			Spring		
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Double Delight		T	T	T	F	F	F	F	F			
Iron		T	T	T	F	F	F	F	F			
Noble		T	T	T	F	F	F	F	F			
Tower/Pro		T	T	T	F	F	F	F	F			

  

Column Stocks - Warm Areas												
Series	Summer			Autumn			Winter			Spring		
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Double Delight			T	T	T	F	F	F	F			
Iron			T	T	T	F	F	F	F			
Noble		T	T	T	F	F	F	F	F			
Tower/Pro			T	T	T	F	F	F	F			

T = Transplant, F = Flower

Branching Stocks - Cool Areas												
Series	Summer			Autumn			Winter			Spring		
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Quartet			T	T	T	T	F	F	F	F		

  

Branching Stocks - Warm Areas												
Series	Summer			Autumn			Winter			Spring		
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Quartet				T	T	T	F	F	F	F		

T = Transplant, F = Flower

### Sow Date:

January – June. See Highsun Express catalogue for Contract Order lead times.

### Transplant Date:

As shown above.

### Flower Date:

**Summer Plantings:** 8-10 wks from transplant

**Autumn Plantings:** 10-12 wks from transplant

**Winter Plantings:** 12-14 wks from transplant

### Crop Time:

Double Delight	9-11 weeks
Iron Series	9-11 weeks
Noble Series	8-10 weeks
Quartet	9-12 weeks
Tower/Pro Series	8-10 weeks

Disclaimer: "Significant variations in seed, variety and crop performance, in results and in crop outcomes may occur depending upon geographic location, climate, soil type, soil conditions, cultural and management practices and other growth and development factors. Any cultural and descriptive information or other advice, recommendation, information, assistance or service provided by Highsun Express is intended as a general guide only and should not be relied upon and is provided without liability or responsibility (including for negligence) on the part of Highsun Express. It is recommended that in all cases a small scale trial production is undertaken in order to test local conditions and circumstances that may affect the crop."



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## Stocks *matthiola Cultural Informaiton*

**Common Name:**

Stock, Gilly Flower.

**Family Name:**

Brassicaceae.

**Genus:**

Matthiola.

**Species:**

incana.

**Country of Origin:**

Mediterranean.

**Plant Type:**

Annual, non branching single stemmed (column stock).

**Foliage:**

Foliage is dark green - grey.

**Support:**

One tier of support will be required.

**Location:**

Stocks are suitable for Greenhouse production only.

**Soil:**

Stocks will perform well in normal, well drained soil.

**Fertiliser:**

Young plants should be fertilised with potassium nitrate. During the first 6-8 weeks after transplanting just prior to bud formation, the nitrogen should be maintained at higher levels than non selectable stocks to assist in developing good leaf colour. For stronger stems and better flower quality, increase the ratio of potassium to nitrogen fertiliser after flower buds become visible. A pH level of 6-7.5 is suggested.

**Spacing between Plants:**

Space approximately 12cm (5") apart for highest quality stems and flowers (64 plants/m).

**Harvest:**

Stems should be harvested when one third to one half of the inflorescences are open. Matthiola are not sensitive to ethylene.

**Environmental Factors:**

Temperature is the main environmental factor effecting flowering is Stock, although photoperiod and juvenility also influence flowering time. High temperatures generally delay flowering. Reducing light levels slightly may assist in increasing stem length. A condition known as "Doorwas" (growing through) can occur if flowers are held too long before cutting. This appears as secondary growth of flower buds protruding from the centre of the individual florets. Simply harvest before this occurs.

**Pest/Diseases:**

Matthiola are susceptible to various soil fungi and bacterial diseases. Look out for Whiptail (molybdenum deficiency), Downey mildew and Cabbage White butterfly and Diamondback moth. Thrips and Botrytis can also be a problem.

**Flowering Comparison:**

Double Delight Series is later than Tower/Pro and Noble by 1 week.

**Autumn:**

Tower/Pro and Noble take 8 weeks,

Double Delight/Iron take 9 weeks.

**Winter:**

Tower/Pro and Noble take 10 weeks,

Double Delight/Iron take 11 weeks.

**Crop Time:**

Double Delight 9-11 weeks

Iron Series 9-11 weeks.

Noble Series 8-10 weeks.

Quartet 9-12 weeks

Tower/Pro Series 8-10 weeks

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