

## CATALOG SYMBOLS KEY

	Developed by Johnny's
	Johnny's Exclusive
	Greenhouse Performer
	Heirloom
	Exceptionally Cold Tolerant
	Grows Well in Containers
	Hydroponic Performer
	Organic Seeds, Plants, and Supplies
	Fluorselect Gold Medal Winner
	Plant Variety Protected
	Video Clip on Website
	Ideal for Drying and Crafts
	Good for Trellising
	Hybrid: First filial or first-generation offspring.
	Use for Cut Flower and Bouquets
	Fragrant
	Edible Flowers
	All-American Selections Winner
	Organic Materials Review Institute Listed
	WA State Department of Agriculture Listed
	Slightly Hot Heat Level
	Moderately Hot Heat Level
	Hot Heat Level
	Very Hot Heat Level
	Extremely Hot Heat Level
	Attracts Beneficial Insects
	Exceptionally Heat Tolerant

**Easy Choice** product names are highlighted in yellow. These varieties will help take the guess work out of growing and are the best choices for beginning gardeners. Even some pros rely on their consistent performance. These varieties have been selected by Johnny's field research team to combine (1) easy to grow, (2) wide adaptability, and (3) taste.

Look for these symbols used throughout the catalog.

## GLOSSARY OF TERMS

- Hybrid & (F1) Hybrid:** A hybrid is the offspring of a cross between two or more genetically distinct parent plant lines, usually of the same species. Hybrid varieties are selected for traits such as improved flavor, disease resistance, and climate adaptability.
- Open-Pollinated (OP):** A non-hybrid variety; one that can reproduce itself in kind, demonstrating relatively stable traits from one generation to the next.
- Treated:** Seeds that have a coating of fungicide intended to protect them from rotting in the soil before germination. All treated products have a "T" included with the part numbers.

## USING THE CATALOG PRODUCT DESCRIPTIONS

Product descriptions contain information that will help you choose which variety is best for your growing conditions and market needs. The guide below details the anatomy of a product description and highlights the extensive information Johnny's provides to help a grower be successful.

- |                            |                              |
|----------------------------|------------------------------|
| 1 Product Name             | 7 Johnny's Symbols           |
| 2 F1 Hybrid Variety        | 8 Product is New             |
| 3 Product Number           | 9 Key Features of Product    |
| 4 Days to Maturity         | 10 Avg. Seeds/Wt             |
| 5 Disease Resistance Codes | 11 Sizes/Pricing for Product |
| 6 Latin/Genus Name         | 12 "M" = 1,000 Seeds         |

1 **Favorite** (2) **(F1)** (3) **4158** (4) **53 days** (5) **(R: BMV)** (6) **Latin Name** (7)

(8) **NEW** (9) **High yields of delicious beans.** Easy to harvest for its concentrated set of 5–6" pods borne high on upright, compact plants. Pods are crisp, juicy, and uniformly plump. Higher yields of bigger, fuller beans in a more concentrated set than E-Z Pick. White seeds.

(10) Avg. 1,800 seeds/lb.

(11) PKT \$4.55; 1,000 Seeds \$6.55; 5M @ \$3.70/M; 25M @ \$2.72/M; 100M @ \$2.48/M; 500M @ \$2.16/M.

(12)

## GROWING INFORMATION BOXES/CHARTS

### Vegetable Growing Information Box

### Shallots

*Allium cepa var. aggregatum*

**CULTURE:** See "Onions." When spacing and thinning shallots, single bulbs are more likely to form; clusters are more likely at a lower planting density.

**HARVEST:** Harvest in summer when tops fall and begin to brown. Dry in a well-ventilated location. Store near freezing at 60-70% relative humidity.

**DAY LENGTH:** Like onions, all shallots are day-length sensitive. Plant shallots as you would long-day onions.

**AVG. DIRECT SEEDING RATE:** 50 seeds/row foot, 1,000 seeds/20', 1 1/2 million seeds/acre in rows 18" apart.

**SEED SPECS:** SEEDS/LB.: 119,600–125,270 (Avg. 122,500).

**PACKET:** 250 seeds, sows 5'.

Growing information boxes and charts describe growing information that is specific to the species.

The Vegetable growing information boxes include culture, planting, disease, harvest, storage, seeding rate, seed spec, and seeds per packet information to aid in successful growing.

Herb and Flower growing information contains days to germ, sowing/growing, light preferences, spacing and height as well as hardiness zone information and harvest advice.

### Key Growing Information Online



Please see our website for full listings of crop-by-crop sowing, planting, and growing steps you need to get started.

### Flower/Herb Growing Information Box

Product Species	Days to Germination	Sowing and Growing	Light Preference	Plant Spacing	Plant Height	Hardiness Zones	Harvest
<b>Cynoglossum amabile</b> <i>Cynoglossum amabile</i>	5-8 days at 65-70°F (18-21°C)	Transplant - Sow 3-4 weeks before last frost. Direct seed - Sow as soon as soil can be worked.	Sun/Part Shade	9-12"	18-24"	Annual	1/2 the florets are open.
<b>Dahlia</b> <i>Dahlia variabilis</i>	3-5 days at 65-70°F (18-21°C)	Transplant (recommended) - Sow 4-5 weeks before last frost. Direct seed - After last frost when soil is 65-70°F/18-21°C, sow thinly, 2 seeds/ft., 1/4" deep. Cover lightly but firmly. Keep surface moist until emergence. Thin to 9-12" after first true leaves appear.	Sun	9-12"	40-60"	Annual	Before blooms are completely open.
<b>Delphinium</b>	10-20 days at 65-70°F	Transplant (recommended) - Sow 10-16 weeks before	Sun/Part	12-18"	36-48"	7 zones 3-7	1/4 to 1/2 of flowers on stem are open. Place immediately

**Vegetable Seeds/Package:** For most vegetable varieties, the number of seeds per packet can be found in the last sentence of that crops Growing Information box. When a variety has a different amount, it will be listed with that product's pricing.

**Herb Seeds/Package:** All packet sizes for herbs average 200 seeds/PKT unless otherwise noted in the packet pricing.

**Farm Seed and Flowers Seeds/Package:** all packets will list the seeds/PKT with the packet price.