

## KGC Seed Library

### Directions for Growing

#### Arugula (Rocket)

Plant seeds in well-drained, neutral to slightly acid soil in full to part sun 1/4" deep, 6" apart in rows 12" apart as soon in April. Keep moist but not soggy. Succession plant every 2-3 weeks until summer. Begin again in late summer and continue until frost. Seasons can be extended by providing shade from afternoon sun in early summer and protecting from frost in late fall. Harvest leaves when about 3" long. Germination, 7-10 days, 40 days to harvest.

#### Beach Plums

Store seeds in cool dry place and plant 10' apart in October or crack pit, remove seed, store mixed in peat moss in refrigerator and plant 10' apart in mid to late spring. Plant in full sun in fertile neutral to slightly acid soil in an area with good air circulation and no tendency toward frost pockets and cover lightly with soil. Remove flowers that bloom the first year and harvest in the third year. Supply 1 1/2" of water per week if rain is insufficient. Fertilize in fall with potassium magnesium sulfate and in spring with nitrogen. Prune yearly. Bloom in May, harvest in August.

#### Beans

Plant about 1" deep, shallower for smaller beans, deeper for larger beans, 3" apart in full sun in mid-May, in slightly acid to neutral soil, amended with compost or well rotted manure, in rows 2' apart, along pre-placed supports for pole beans. Succession plant bush beans every 2 weeks until August. Supply 1" of water per week if rain is insufficient. Germination, 8-10 days, 50-85 days to harvest.

#### Beets

Plant in loose soil in full sun 1/2" deep, 3" apart, and keep evenly moist. Germination 14-21 days, 60 days to harvest.

#### Broccoli

Sow 1/8" deep, 2' apart in rows 2' apart in full sun. Succession plant every 2-3 weeks until mid-July. Germination 10-21 days, 70 days to harvest.

#### Brussels Sprouts

Sow in late spring 1/4" deep, 18" apart in full sun. Germination 10-21 days, 85-110 days to harvest.

#### Cabbage

Sow in early summer 1/4" deep, 2' apart in full sun in area where cabbage were not grown last year. Germination 10-15 days, 60-65 days to harvest.

### Carrots

Sow in deep, loose soil 1/2" deep, 3" apart in rows 12" apart, in full sun in late April, and keep evenly moist. Germination 7-21 days, 75-80 days to harvest.

### Cauliflower

Sow 1/2" deep, 2' apart in rows 3' apart in April, loosely tie leaves together to protect heads as they develop. Germination 7-10 days, 65-70 days to harvest.

### Chard

Sow 1/2" deep, 12" apart in full sun as soon as ground can be worked, and keep evenly moist. Germination 7-14 days, 60 days to harvest.

### Collards

Sow 1/4-1/2" deep, 2' apart in rows 3' apart in April, succession plant every 2-3 weeks until July in full sun. Germination 8-12 days, 75 days to harvest.

### Corn

Sow 1" deep, 9" apart in rows 2-3 apart in blocks of at least 4 rows, rather than in elongated rows, in full sun in May. Germination 7-14 days, 75-80 days to harvest.

### Cucumber

Sow 1" deep, 18" apart in full sun in fertile soil in May, keep evenly moist through fruiting, keep harvested and pinch off remaining flowers in mid-September. Germination 7-10 days, 50-70 days to harvest.

### Flowers and Foliage Plants

#### Achillea (perennial)

Sow indoors on top of soil in early April, press into medium, water until moist, place in warm, sunny windowsill, harden off when two sets of true leaves appear, transplant to well drained soil in full to part sun 1' apart, and divide every 2-3 years. Germination 14-21 days, 120 days to bloom.

#### African Daisy (annual)

Sow 1/4" deep, 6" apart in full sun in late April, and keep evenly moist until established. Germination 5-10 days, 60 days to bloom.

#### Bachelor Button (annual)

Sow 1/8" deep, 18" apart in full sun in area with good air circulation in May. Germination 10-15 days, 42-50 days to bloom.

### Black-Eyed Susan (perennial)

Sow 1/8" deep, 18" apart in full to part sun in mid-fall or refrigerate 3 months and press into soil in late spring. Keep evenly moist, mulch when plants reach 4" in height, provide 2" of water per week if rain is insufficient, and deadhead for continuing bloom. Germination after spring planting, 7-10 days, bloom in late summer and fall.

### Butterfly Flower (perennial)

Sow 1/8" deep, 10" apart in full sun in open area in May. Germination 20 days, 365 days to bloom.

### California Poppy (annual)

Sow 1/4" deep, 8" apart in full sun in an area with good air circulation in April. Germination 14-21 days, blooms summer.

### Coleus (annual)

Press into soil, 12" apart in April. Germination, 10-15 days, 25-40 days to maturity..

### Columbine (short-lived perennial)

Chill in damp paper towel in zipper bag in refrigerator 30 days, sow 1/4" deep, 10" apart in April until October in full sun to part shade, and keep evenly moist. Germination 22-30 days, 365 days to bloom.

### Daisy (perennial)

Sow 1/4" deep, 3" apart in full sun beginning in May. Germination 7-14 days, 180-300 days to bloom.

### Delphinium (perennial)

Sow indoors beginning in April or outdoors from May any time up to first fall frost 1/8" deep, keep evenly moist, and harden off in sheltered area for 1 week before transplanting. Germination 21-28 days, 180 days to bloom.

### Helichrysum (tender perennial)

Sow on surface of acid, sandy soil in May in full sun 6-12" apart, pinch buds to encourage branching and to direct plant's energy to single bloom for larger flower, keep moist until plant is established, dry flowers cut just before full bloom hanging upside down in dark, cool space with good ventilation. Germination 14-21 days, blooms summer into fall.

### Hibiscus (perennial)

Scarify seed, soak overnight and sow 1/4" deep, 2' apart in fertile, slightly acid soil in full sun in sheltered area in May, and keep moist and mulch. Germination 14-21 days, blooms summer.

#### Hollyhock (biennial)

Sow 1/4" deep, 2' apart in protected area, in rich, well-drained soil, in full to part sun in mid-April. Provide and keep evenly moist until established. Germination 14 days, blooms summer.

#### Honesty (Money Plant) (biennial)

Sow barely covered in rich, well-drained soil in May to June in full sun to part shade, and keep evenly moist but not soggy. Germination 7-10 days, 270 days to harvest seed pods.

#### Johnny Jump Up (short lived perennial)

Sow 1/4" deep, 4" apart in partial shade in acid soil in April, keep moist. Germination 14-21 days, blooms spring, deadhead for second bloom in fall.

#### Milkweed (perennial)

Chill in damp paper towel in zipper bag in refrigerator 30 days, plant 1/4" deep, 2" apart in full sun in May, keep evenly moist until established. Germination 10-15 days, blooms summer.

#### Morning Glory (annual)

Scarify and soak seed overnight, plant 1/2" deep in rich, well-drained, slightly acidic soil in full sun in mid-April and keep evenly moist until established. Requires support. Germination 5-21 days, blooms late summer to fall.

#### Nasturtium (annual)

Sow 1/2" deep, 6" apart in full to part sun in May, and do not allow to dry out. Germination 7-14 days, 32 days to bloom.

#### Shasta Daisy (perennial)

Sow 1/4" deep, 12" apart in full sun from May to August. Germination 14-21 days, 180-300 days to bloom.

#### Speedwell (perennial)

Press seed into soil, 10" apart in slightly acid soil in full sun to part sun in May, keep moist until germination. Germination 14-28 days, blooms late spring to late summer.

#### Tithonia (annual)

Sow 1" deep, 18" apart in full sun in May and keep evenly moist. Germination 7-14 days, 70-80 days to bloom.

### Wildflowers

Broadcast seed evenly over loose soil raked smooth in full sun in April, rake in, water regularly until established, mow after fall frost.

### Ornamental Grass

Sow 1/4" deep, 10" apart, in mid-April or September in full sun, and keep evenly moist. Germination 10-21 days, blooms summer.

### Herbs

#### Basil

Sow 1/4" deep, 12" apart in full sun in mid-May, keep evenly moist, and harvest before bloom. Germination 7-14 days, 60-90 days to harvest.

#### Chamomile

Press into soil 6" apart in full sun in May. Germination 7-14 days, 60-65 days to harvest.

#### Chives

Sow 1/4" deep, 6" apart in full sun in May. Germination 15-21 days, 60 days to harvest.

#### Garlic Chives

Sow 1/8" deep, 9" apart in rows 12" apart in full to part sun in April. Germination 10-21 days, 45 days to harvest.

#### Cilantro

Sow 1/4" deep, 6" apart in full sun in April and again in July for fall crop. Germination 7-10 days, 70 days to harvest.

#### Dill

Sow 1/4" deep, 12" apart in full sun in May. Germination 10-21 days, 40-60 days to harvest.

#### Lavender

Press into soil 6" apart in May, and keep moist. Germination 14-28 days, 90-200 days to harvest.

#### Parsley

Sow 1/4" deep, 6" apart in full sun in May. Germination 14-21 days, 60-80 days to harvest.

#### Peppermint

Sow 1/4" deep, 18" apart in rich, well drained, slightly acidic soil in full sun in late April. Harvest regularly. Can be invasive. Germination 7-14 days, harvest before flowering.

#### Kale

Sow in April 1/4-1/2" deep, 12" apart in rows 18" apart in full sun, harvest side leaves at 6-8", harvest plant after first light frost. Germination, 8-12 days, 60 days to harvest.

#### Lettuce

Sow 1/4" deep, 6" apart in rows 18" apart in late April and again in late July for fall crop. Germination 7-10 days, 55 days to harvest.

#### Melons

**Cantaloupe and other melons:** Sow 1/2" deep, 4' apart in rows 4' apart in full sun in May, fertilize with balanced fertilizer, and harvest when there is distinct aroma and fruit slips off easily. Germination 7 days, 70-90 days to harvest.

**Honeydew:** Sow 1" deep, 18" apart in full sun in May, and keep evenly moist. Germination 7-14 days, 105-115 days to harvest.

#### Microgreens Mix (beet, cabbage, kohlrabi, broccoli and radish)

Sow 1/4" deep in rows 2" apart in full sun in April, firm lightly, keep evenly moist, succession plant every 2 weeks until June, sow again in August for fall crop. Germination 7-10 days, 14-28 days to harvest.

#### Mustard Greens

Sow 1/2" deep, 12" apart in rows 24" apart in full sun in April and again in late August for fall crop. Germination 10-21 days, 40 days to harvest.

#### Okra

Sow 3/4" deep, 18" apart in full sun in May, harvest pods when 2-3" long. Germination 12-14 days, 58 days to harvest.

#### Peas

**Garden Peas:** Sow 1" deep, 2" apart in rows 1' apart in full sun in late April and again in late August for fall crop, be careful not to wet foliage when watering. Germination 7-12 days, 55-65 days to harvest.

**Edible Pod Peas:** Sow 1" deep, 2" apart in full sun April and again in August for fall crop. Requires support. Germination 7-14 days, 58-70 days to harvest.

#### Peppers

Sow 1/4" deep, 18" apart in rows 2 1/2' apart in full sun in May, keep evenly moist. Germination 10-21 days, 70-100 days to harvest.

### Pumpkin

Sow 1" deep, 5' apart in rows 5' apart in full sun in April. Germination 7-10 days, 110-115 days to harvest.

### Radishes

Sow 1/2" deep, 1" apart in rows 10" apart in full sun in April, succession plant every 2-3 weeks. Germination 4-6 days, 24 days to harvest.

### Scallions

Sow 1/4" deep, 1" apart in rows 1' apart in full sun in light textured soil in May, and keep weeded. Germination 12-14 days, 60-110 days to harvest.

### Spinach

Sow 1/2" deep, 6" apart in full sun in April and again in August for a fall crop, and keep evenly moist. Germination, 7-14 days, 22-55 days to harvest.

### Squash

Plant 1" deep in full sun in May

Summer squash: Sow 12" apart in rows 4' apart. Germination 8-10 days, 50 days to harvest.

Winter squash: Sow 36" apart. Germination 10-14 days, 75 days to harvest.

### Turnip

Sow 1/2" deep, 2" apart in rows 12" apart in full sun in April and again in August for a fall crop, and harvest when 2-3" across. Germination 5-10 days, 50-60 days to harvest.