



NDSU | EXTENSION

2025

field to FORK



Upcoming Webinars

- **March 5 - Let's Preserve Salsa** (live demonstration)
- Julie Garden-Robinson, NDSU Extension food and nutrition specialist and professor

- **March 12 - The Science Behind Indoor Plant Lighting**
- Esther McGinnis, NDSU Extension horticulturist and associate professor



Presenter

Audio Settings ^



Chat



Raise Hand

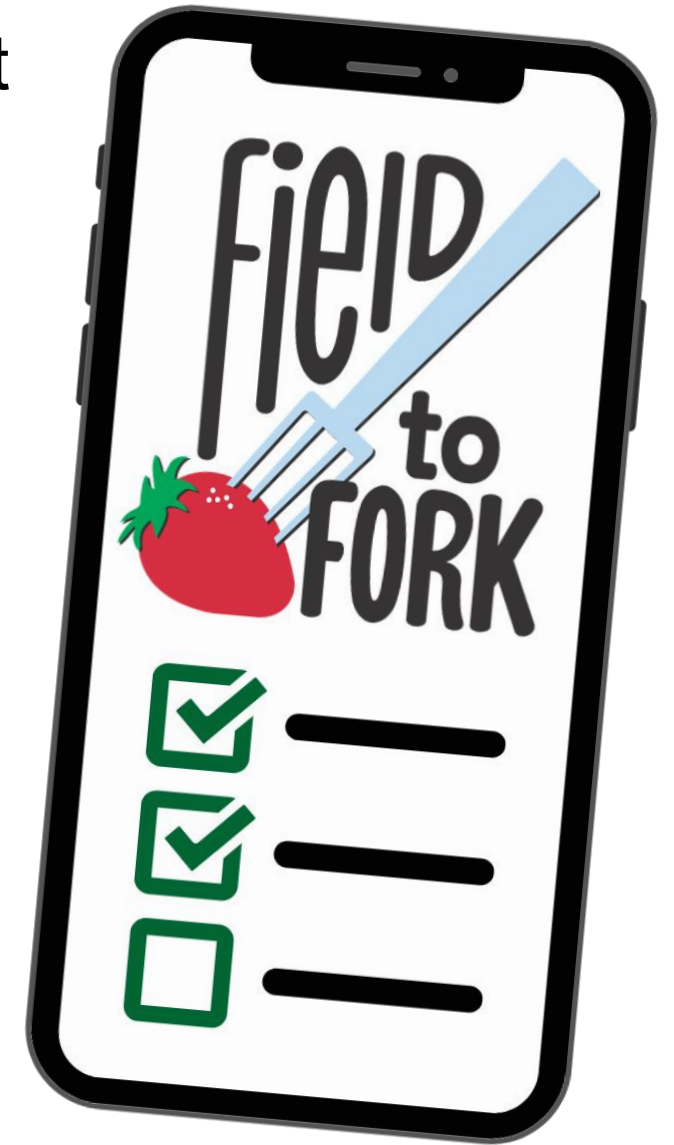


Q&A

Leave

- **Please complete the short online survey** that will be emailed to you after today's webinar. It will take just a couple minutes!
- Be sure to sign up for an opportunity to win a prize in the drawing. After submitting the survey, a form to fill out with your name/address will appear.

Acknowledgement: This project was supported by the U.S. Department of Agriculture's (USDA) Agricultural Marketing Service through SCBG24-246. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the USDA.



Feb. 26

Growing Tips for Summer and Winter Squash

Tom Kalb, NDSU Extension area specialist - horticulture





Askutasquash







Lakota



Buttercup



Types of Squash

SUMMER	WINTER
Thin, soft skin	Thick, hard skin
Picked immature	Picked mature
Short storage	Long storage



Acorn



Buttercup

Butternut





SUPERFOOD
Excellent Source
of **VITAMIN A**

Libby's

GLUTEN FREE
NO GMO
Ingredients*

100% PURE
PUMPKIN

ALL NATURAL • NO PRESERVATIVES



PER 1/2 CUP SERVING

45 CALORIES	0g FAT 0% DV	5mg SODIUM 1% DV	5g TOTAL SUGARS	3g FIBER 12% DV	VITAMIN A 100% DV
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NET WT 15 OZ (425g)





Baby Butternut



Hubbard

A collection of Delicata squash, some whole and one sliced open to show the yellow flesh and seeds. The squash have a characteristic white skin with dark green stripes. They are arranged on a brown surface, with some orange fabric visible in the background.

Delicata

Kabocha





Straightneck



Crookneck



Zephyr



Patty Pan

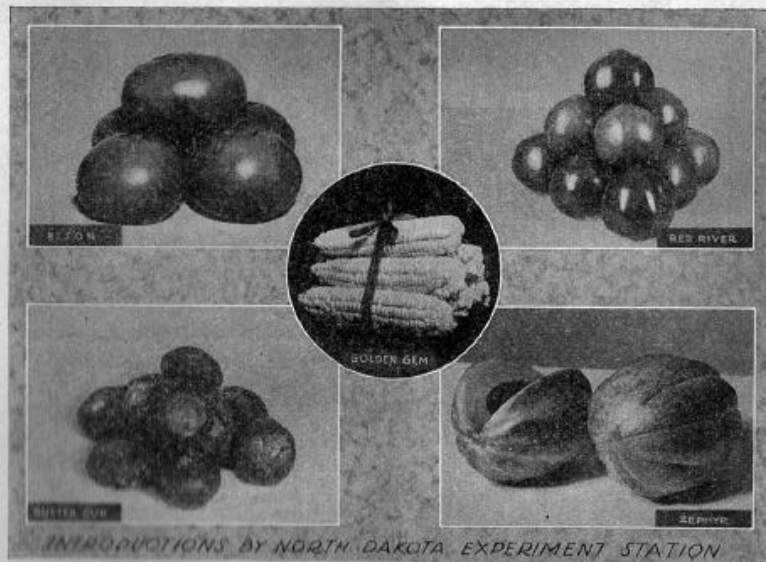
Circular 58

1924

January 1924
Revised March 1929,
January 1932, March 1933,
January 1938 and May 1940.

The
**NORTH DAKOTA
FARM
VEGETABLE
GARDEN**

by
A. F. YEAGER
Revised by
HARRY A. GRAVES



INTRODUCTIONS BY NORTH DAKOTA EXPERIMENT STATION

**NORTH DAKOTA AGRICULTURAL COLLEGE
EXTENSION SERVICE
E. J. HANLERUD, Director
Fargo, North Dakota**







Starship



Zucchini

A photograph showing a large pile of fresh, dark green zucchini vegetables scattered on a lush green lawn. The zucchini are of various sizes and orientations. In the center-left of the pile, a small, white, rectangular piece of paper with perforated edges is placed. The paper has handwritten text in black ink. The text reads "Help yourself" on the top line and "Free" on the bottom line. The word "Free" is written in a larger, more stylized font. The background is a dense field of green grass, with some shadows cast across it, suggesting bright sunlight.

Help yourself
Free









Extension Program

HOME GARDEN VARIETY TRIALS

Order Seeds

Comments from Participants

About the Project

Trial Results

Home Garden Variety Trials



ndsu.ag/homegardentrials

Vegetable Cultivars for North Dakota

2025

Selecting an outstanding cultivar can lead to a bountiful garden.

Cultivar selection checklist:

- ✓ Early maturity
- ✓ Flavorful
- ✓ Resists diseases
- ✓ Productive
- ✓ Widely adapted (cool soil, dry weather)

The finest cultivars will lead to the finest gardens. North Dakota State University works with over 200 gardeners every summer to evaluate promising cultivars. The following cultivars have excelled in these and other trials in the Midwest:

ASPARAGUS. Jersey Giant, Jersey Knight, Jersey Supreme, Millennium, Purple Passion.

BEAN. Bush: Annihilator, Antigua, Bush Blue Lake 274, Crockett, Derby, Espada, Homerun, Jade, Lewis, Pike, Provider, Purple Queen Improved, Red Tail, Royal Burgundy, Serengeti, Strike, Tendergreen Improved. **Lima:** Fordhook 242, Eastland. **Pole:** Fortex, Monte Gusto, Orient Wonder, Seychelles, Stringless Blue Lake S-7. **Soybean:** Envy, Tobby. **Wax:** Borsalino, Carson, Custard, Gold Rush.

BEEF. Red: Bohan, Bull's Blood, Cylindra, Detroit Dark Red, Eagle, Early Wonder Tall Top, Merlin, Red Ace, Red Cloud, Sweet Dakota Bliss. **Gold:** Boldor, Burpee's Golden, Golden Boy, Touchstone Gold, Yellow Sunrise.

BROCCOLI. Green Magic, Gypsy.

CABBAGE. Chinese: Blues. **Head:** Early Jersey Wakefield, Golden Acre, Ruby Perfection, Stonehead.

CARROT. Orange: Baltimore, Bolero, Candysnax, Caravel, Cupar, Goldfinger, Hercules, Imperator 58, Laguna, Mokum, Napoli, Naval, Negovia, New Kuroda, Scarlet Nantes. **Other:** Gold Nugget, Purple Haze.

CAULIFLOWER. Amazing, Cheddar, Snow Crown, Violet Queen.

CORN. Super Sweet: American Dream, Anthem XR, Bolt, Catalyst, Enchanted, Icon, Kate, Troubadour, Xtra-Tender 274A. **Sugary enhanced:** Ambrosia, Bodacious RM, Delectable, Luscious, Peaches & Cream, Sugar Buns, Temptation. **Synergistic:** Allure, Cuppa Joe, Honey Select, Sweetness. **Ornamental:** Fiesta. **Popcorn:** Dakota Black.

CUCUMBER. Pickling: Calypso, Eureka, Homemade Pickles, H-19 Little Leaf, Max Pack, Super Max. **Slicing:** Bristol, Dasher II, Diva, Fanfare, General Lee, Green Light, Mercury, Muncher, Nokya, Orient Express II, Raceway, Raider, Salad Bush, Sashimi, Summer Dance, Sweet Slice, Sweet Success, Tasty Green, Unagi.

EGGPLANT. Classic, Dusky, Fairy Tale, Millionaire, Orient Express, Traviata.

GREENS. Green River, Hon Tsai Tai, Koji, Joi Choi, Miz America, Mizuna, Mei Qing Choi, Osaka Purple, Red Giant, Tatsui, Tendergreen, Tokyo Bekana, Vegetable Amaranth, Win-Win Choi.

KALE. Black Magic, Dazzling Blue, Red Russian, Russian Frills, Vates, Winterbor.

KOHLRABI. Early White Vienna, Kolibri, Kossak, Winner Improved.

LETTUCE. Leaf: Bergam's Green, Cervanek, Merlot, New Red Fire, Red Sails, Red Salad Bowl, Red Velvet, Royal Oakleaf, Slobolt, Starfighter, Tropicana. **Butterhead:** Alkindus, Buttercrunch, Nancy, Red Cross, Skyphos, Sweet Valentine. **Summer Crisp:** Albachiara, Chrystal, Magenta, Muir, Nevada, Pablo, Sierra. **Romaine:** Bluerock, Crisp Mint, Fusion, Green Forest, Newham, Starhawk, Sunland. **Lollo:** Dark Red Lollo Rossa.

MELON. Muskmelon: Aphrodite, Athena, Dakota Sisters, Goddess, Solstice, Superstar. **Specialty:** Arava, Earli-Dew, Passport, San Juan.



OKRA. Buffalo Bill 91, Candle Fire, Clemson Spineless 80, Jambalaya.

ONION. Ailsa Craig, Candy, Patterson, Rossa di Milano, Talon, Walla Walla.

PEA. Shell: Early Frosty, Green Arrow, Knight, Lincoln, Little Marvel, Maestro Improved, Wando. **Snap:** Sugar Ann, Super Sugar Snap. **Snow:** Avalanche, Oregon Giant, Oregon Sugar Pod II, Sweet Horizon.

PEPPER. Bell: Bell Boy, Dragonfly, Early Sunstation, King of the North, Lunchbox Mix, New Ace, North Star, Orange Blaze, Red Knight. **Frying/Roasting:** Carmen, Flamingo, Giant Marconi, Gypsy. **Hot:** Cheyenne, Garden Salsa, Hot Paper Lantern, Hungarian Hot Wax, Mariachi, Mucho Nacho, PS11435807, Tiburon.

POTATO. Dark Red Norland, Kennebec, Peter Wilcox, Purple Viking, Red Gold, Satina, Superior, Yukon Gem, Yukon Gold.

PUMPKIN. Jack-o'-lantern: Autumn Gold, Bellatrix, Cargo, Cronus, Early Dakota Howden, Early Giant, Early King, Gladiator, Howden, Large Marge, Magic Lantern, Neon, Orange Smoothie, Warty Goblin. **Giant:** Big Moose, Dill's Atlantic Giant, Polar Bear.

Ornamental: Abominable, Blaze, Casperita, Jack Be Little, Blue Doll, Porcelain Doll.

RADISH. Amethyst, Bacchus, Champion, Cherry Belle, Easter Egg II, French Breakfast, Pretty in Pink, Red Head, Rover, Roxanne, Sora, White Icicle.

RUTABAGA. American Purple Top.

SPINACH. Avon, Bloomsdale Long Standing, Emperor, Escalade, Gazelle, Kookaburra, Lizard, Melody, Olympia, Red Kitten, Space, SV2146VB, Tyece.

SQUASH, SUMMER. Crookneck: Gentry, Sundance. **Scallop:** Flying Saucer, Sunburst. **Straightneck:** Butterfingers, Fortune, Multipik, Slick Pik YS 26, Zephyr. **Zucchini:** Cashflow, Desert, Dunja, Gold Rush, Green Machine, Green Tiger, Mexicana, Payload, Portofino, Raven, Spineless Beauty, Yellowfin.

SQUASH, WINTER. Acorn: Autumn Delight, Black Bellota, Carnival, Table Ace, Table King. **Buttercup:** Bonbon, Burgess, Uncle David's Dakota Dessert. **Butternut:**

Butterbaby, Butterscotch, Early Butternut, Granite, Waltham. **Delicata:** Cornell's Bush Delicata, Zeppelin. **Other:** Blue Magic, Delica, Pinnacle, Primavera, Red Kuri, Sunshine, Speckled Hound, Sweet Mama.

SWEET POTATO. Beauregard.

SWISS CHARD. Bali, Bright Lights, Charbell, Improved Rainbow, Lucullus, Oriole, Peppermint, Ruby Red.

TOMATO. Small: Fargo Yellow Pear, Juliet, Red Torch, Sungold, SunSugar, Supersweet 100. **Fresh market:** Big Beef Plus, Bush Early Girl, Celebrity Plus, Early Girl, Goliath, Mountain Fresh Plus, Mountain Merit, Red Deuce, Roadster. **Paste:** Granadero, Roma VF, Viva Italia. **Heirloom:** Brandywine, Cherokee Purple, German Johnson, Manitoba, Stupice, Wisconsin 55.

TURNIP. Hakurei, Purple Top White Globe, Tokyo Cross.

WATERMELON. Seeded: Petite Yellow, Sangria, Stargazer, Sugar Baby, Sweet Dakota Rose, Yellow Doll. **Seedless:** Sweet Dawn.

Seed Sources

The following is a sample of companies offering seeds. This list is provided for educational purposes only; no discrimination is intended and no endorsement is implied. Many of these companies offer free seed catalogs. A.P. Whaley Seed, www.awhaley.com. Baker Creek Seed, www.rareseeds.com. Burpee Seed, www.burpee.com. Fedco Seeds, www.fedcoseeds.com. Gurney's Seed and Nursery, www.gurneys.com. Harris Seeds, www.harrisseed.com. High Mowing Seeds, www.highmowingseeds.com. Johnny's Selected Seeds, www.johnnyseeds.com. Jordan Seeds, www.jordanseeds.com. Jung Seed, www.jungseed.com. Osborne Seeds, www.osborneseed.com. Pinetree Garden Seeds, www.superseeds.com. Prairie Road Org. Seed, www.prairieroadorganic.co. Seed Savers Exchange, www.seedsavers.org. Stokes Seeds, www.stokesced.com. Territorial Seed, www.territorialseed.com. True Leaf Market Seed, www.trueleafmarket.com. Veseys's Seeds, www.veseys.com.



All gardeners are invited to join our team of backyard researchers. Go to www.ag.ndsu.edu/homegardenvarietytrials/

Written by Tom Kalb, Extension Horticulturist, North Dakota State University, email: tom.kalb@ndsu.edu. The author gratefully acknowledges the efforts of over 1,000 gardeners in North Dakota and nearby states/provinces who evaluated these cultivars.

December 2024

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NDSU

EXTENSION



SEEDS AND SUPPLIES

Johnnyseeds.com
1-877-564-6697

2024-2025 HDC

2025

2025 Vegetable Growers Catalog



Johnny's
Selected Seeds

Serving Market Growers and Gardeners for over 50 Years

**Free
Shipping**

ORDERS \$200+

See page 133.

Johnnyseeds.com
1-877-564-6697

2025



Winter Squash

ACORN / DELICATA

Autumn Delight (F1) 4047 80 days. **IR: PM. C. pepo**
High-yielding classic acorn. Uniform fruit with rich, dark green skin. Strong powdery mildew tolerance. Semibush plants. Stores well for 2-3 months. Avg. weight: 1½-2½ lb. Avg. 5,200 seeds/lb.
 PKT \$5.80; 100 Seeds \$13.40; 250 Seeds \$20.10;
 1,000 Seeds \$60.15; 5M @ \$56.93/M; 25M @ \$53.20/M; 100M @ \$51.65/M.

Honey Bear (F1) 689
 85 days. **IR: PM. C. pepo**
EXCLUSIVE! Delicious small acorn.
 Just right for single servings when halved. Worthy of marketing by name. Semibush plant. Bred by the late Dr. Brent Loy of UNH. AAS Winner. Avg. weight: 1-1½ lb. Avg. 4,100 seeds/lb.
 PKT \$6.00; 100 Seeds \$11.00;
 250 Seeds \$17.80; 1,000 Seeds \$45.25;
 5M @ \$41.39/M; 25M @ \$37.50/M.



Honey Bear

Tuffy 2054G 90 days. **C. pepo**
A favorite for baking. Great flavor coupled with dry texture (two elements of a great squash). Thicker, sweeter, and drier flesh than other acorns. Easily identified by its attractive, heavy ribbing and black-green skin. Vining plant habit. NOTE: For sweetest flavor, wait 2+ weeks after harvest.
 Avg. weight: 2 lb. Avg. 7,300 seeds/lb. **CG**
 PKT \$6.35; Oz. \$20.55; 1/4 Lb. \$51.20; Lb. \$174.85; 5 Lbs. @ \$167.05/Lb.

Tiptop PMR (F1) 92 days. **IR: PM. C. pepo**
Better-tasting larger acorn. More flavorful than others this size and a real improvement over old standards. Holds its black-green color very well in storage. Vigorous, larger, semibush plant with later maturity.
 Avg. weight: 2-2½ lb. **CG**
 2269G Organic **CG** Avg. 3,000 seeds/lb.
 PKT \$6.95; 100 Seeds \$21.95; 250 Seeds \$49.95; 500 Seeds \$65.00;
 1,000 Seeds \$110.00; 5M @ \$99.00/M; 25M @ \$79.90/M; 50M @ \$76.69/M.
 2269 Conventional Avg. 4,400 seeds/lb.
 PKT \$6.00; 100 Seeds \$7.75; 250 Seeds \$12.95;
 1,000 Seeds \$44.00; 5M @ \$38.79/M; 25M @ \$36.18/M.

Jester (F1) 3836 95 days. **C. pepo**
Superb flavor in an eye-catching fruit. Oval and tapered at both ends, featuring splashy green, inter-rib striping that contrasts nicely with the ivory background. High-yielding and widely adapted. Short vines.
 Avg. weight: 1½ lb. Avg. 4,500 seeds/lb. **CG**
 PKT \$6.00; 250 Seeds \$17.55; 1,000 Seeds \$54.20;
 5M @ \$51.23/M; 25M @ \$48.29/M.

Starry Night PMR (F1) 4026G
 95 days. **IR: PM. C. pepo**
Delicious acorn that stores through the holidays. Unique, pixelated color pattern. Superior to industry-standard green acorns which typically lack flavor and shelf life. Stays reliably smooth and sweet when stored through the New Year. Bred by Dr. Lindsay Wyatt and Rob Johnston, Jr. Avg. weight: 2-2½ lb. Avg. 3,000 seeds/lb. **CG**
 PKT \$7.15; 100 Seeds \$23.15;
 250 Seeds \$52.55; 1,000 Seeds \$117.85;
 5M @ \$110.17/M; 25M @ \$105.21/M.



Starry Night

Night Shift (F1) 4423G 95 days. **IR: PM. C. pepo**
Premium storage acorn. A high-yielding acorn that keeps its dark color and superior flavor in storage—through the winter holidays and beyond! Ideal when a vining habit is preferred, or if you find bush-type acorns lacking in flavor. Vigorous vines provide excellent cover and hold up well under disease pressure. Avg. weight: 1½-2½ lb. Bred by Dr. Lindsay Wyatt at Johnny's. Our thanks to UNH for their help in developing this variety.
 Avg. 3,700 seeds/lb. **CG**
 PKT \$7.00; 100 Seeds \$22.25; 250 Seeds \$50.50;
 1,000 Seeds \$110.70; 5M @ \$104.69/M; 25M @ \$99.88/M.

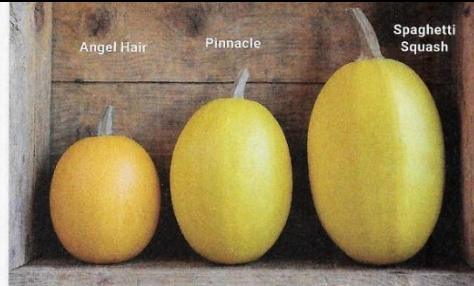
Honey Bun (F1) 4303 95 days. **IR: PM. C. pepo**
Striking dumpling squash with excellent flavor! Impressive yields of eye-catching variegated fruit, plus strong agronomic qualities. A dramatic improvement over Sweet Dumpling. Fruits turn caramelly-bronze at peak ripeness. Avg. weight: 1-2 lb. Bred by Dr. Lindsay Wyatt at Johnny's. Our thanks to UNH for their help in developing this variety. Avg. 2,000 seeds/lb. **CG**
 PKT \$5.70; 250 Seeds \$14.95; 1,000 Seeds \$46.05;
 5M @ \$43.52/M; 25M @ \$41.02/M.

Delicata JS 6756 100 days. **C. pepo**
Our distinct, widely grown strain. Unique appearance with cream skin and dark green longitudinal stripes and flecks. Tastes very sweet and skin is tender enough to eat. Excellent for stuffing and baking, even right at harvest! 7-9" long x 3" diam. Avg. weight: 1½-2 lb. Avg. 7,800 seeds/lb. **CG**
 PKT \$6.35; Oz. \$11.85; 1/4 Lb. \$31.05; Lb. \$103.05; 5 Lbs. @ \$92.63/Lb.



Squash Storage Guide

Learn how long to cure and store winter squash for peak flavor and eating quality.
 Johnnyseeds.com/squash-storage-chart



SPAGHETTI

Angel Hair (F1) 3641 88 days. **C. pepo**
Convenient and personal-sized. Our smallest spaghetti squash variety, perfect for single servings. Highly uniform, egg-shaped, with a slightly darker shell than other varieties. Sweet, nutty flavor. High-yielding plants. Long vines. Avg. weight: 1½-2 lb. Avg. 8,500 seeds/lb.
 PKT \$6.00; 250 Seeds \$25.95; 1,000 Seeds \$72.95;
 5M @ \$68.00/M; 25M @ \$66.00/M.

Pinnacle (F1) 3839 85 days. **C. pepo**
Consistent medium-small size. Smaller and more uniform than OP varieties for a more predictable outcome. Slightly sweet, nutty flavor. Attractive, bright lemon-yellow shell. High-yielding. Semibush plants. Suitable for denser plantings for greater yields. Avg. weight: 3 lb. Avg. 3,100 seeds/lb.
 PKT \$6.00; 250 Seeds \$28.55; 1,000 Seeds \$90.40;
 5M @ \$80.89/M; 25M @ \$76.11/M.

Spaghetti Squash 679 88 days. **C. pepo**
The classic pasta alternative. This excellent OP strain's flesh has the best noodle-like consistency in our trials. Slightly sweet, nutty flavor. Oblong in shape with ivory skin that changes to pale yellow at maturity. Short vines. Avg. weight: 3-5 lb. Avg. 2,700 seeds/lb.
 PKT \$5.95; Oz. \$9.95; 1/4 Lb. \$21.95; Lb. \$58.00; 5 Lbs. @ \$45.00/Lb.



HUBBARD

Blue Ballet 676G 95 days. **C. maxima**
Sweet, scaled-down hubbard. A more marketable version of the New England classic Blue Hubbard. Same traditional appearance but much smaller with smooth, blue-gray skin. The flesh is sweeter, bright orange, and fiberless. Easier to cut than others of this type, as skin is tender.
 Avg. weight: 4-6 lb. Avg. 2,000 seeds/lb. **CG**
 PKT \$6.35; Oz. \$16.35; 1/4 Lb. \$46.40; Lb. \$110.05; 5 Lbs. @ \$95.06/Lb.

Red Kuri 677G 92 days. **C. maxima**
Flashy and tear-drop shaped. Baby red hubbard with appealing color and shape. Flesh is smooth in texture and great for pies and purées because specks of skin (being red) will not show. Also known as Orange Hokkaido.
 Avg. weight: 3-5 lb. Avg. 2,200 seeds/lb. **CG**
 PKT \$6.35; Oz. \$16.05; 1/4 Lb. \$23.35; Lb. \$80.75; 5 Lbs. @ \$77.63/Lb.

Blue Hubbard 680G 100 days. **C. maxima**
Decorative farmstand favorite. A beloved heirloom with a hard, bumpy, blue-green shell. A fall tradition at New England roadside stands.
 Avg. weight: 12-15 lb., with some larger. Avg. 2,100 seeds/lb. **CG**
 PKT \$6.35; Oz. \$14.00; 1/4 Lb. \$40.85; Lb. \$114.80; 5 Lbs. @ \$104.04/Lb.

Growing Winter Squash

Cucurbita spp

Culture: Fertile, well-drained soil is best. Spring Cold Protection: AG-19 (or heavier grade) floating row covers will provide about 4" of frost protection and add warmth for vigor and an earlier harvest. Fall Frost: Frost kills leaves and can thus facilitate harvest; however, temperatures below 28°F (-2°C) can also damage fruits and cause spotting and poor storage. Mature fruits can usually tolerate 1 and sometimes 2 or 3 light frosts without substantial damage. Sprinkler irrigation wards off moderate frost damage to fruits.
Days to Maturity: From date of direct seeding, subtract about 14 days if transplanting.
Transplanting: Sow 2-3 seeds in 2" containers or plug trays 3 weeks before transplanting outdoors. Thin to 1-2 plants/cell with scissors. Transplant out after frost danger. Bush and small-fruited: space plants 18" apart, with 4-5' between rows; Large-fruited: space plants 24-36" apart, with 6-12' between rows. Take care not to disturb roots.
Direct Seeding: Sow in late spring after frost danger when soil is warm, minimum 62°F (17°C) for treated seeds and 70°F (21°C) for untreated seeds; seeds will rot in cool soil, especially cool, wet soil. Sow 1-2 seeds every 12" (24-36" for large-fruited varieties) ¼-1" deep. Thin to 1 plant per spot. Rows 6' apart, 12' apart for larger fruit.
Avg. Direct Seeding Rate: (At 2 seeds/ft., rows 6' apart.) Group 1: Hubbard, Kuri 507/oz., 850/lb., 81/2lb./acre. Group 2: Butternut, Kabocha, Spaghetti, 75/oz., 1,250/lb., 53/4lb./acre. Group 3: Butternut, Acorn, 155/oz., 2,500/lb., 3lb./acre. Group 4: Delicata 225/oz., 3,750/lb., 2 lb./acre.

Insect Pests: Protect young plants with floating row covers. Cucumber beetles, squash bugs, and vine borers can be a challenge. Pyrethrin offers some control. Squash bug eggs laid on the underside of leaves may be located and crushed.

Keep borders well mowed. For vine borers, cut out of vines and hill soil over the wound. Clean up refuse in the fall, and spring-plow the ground to bury the pupae. The butternut type has solid vines usually not bothered by borers.

Disease Resistance: HR = High Resistance IR = Intermediate Resistance

PM Powdery Mildew

Disease: Cucumber beetles can carry bacterial wilt and must be controlled. Gummy stem blight (black rot) causes black, sunken spots to appear on fruits in storage and the tan scabby patches on butternuts in the field. Downy mildew may occur in damp weather. Powdery mildew can occur in hot or cold temperatures, or during dry periods. Consult your local Extension agent for specific fungicide control. Choose well-drained soil to avoid *Phytophthora*.

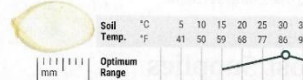
Harvest: Before heavy frost, cut stems about 1" from the fruit when stem is drying and skin is hardening. Handle fruits gently, as they can bruise easily.

Post Harvest: Cure in the field to dry and toughen skins by exposing fruits to sun for 5-7 days or so, covering in the evening if frost is likely. An indoor method of curing is to expose squash to 80-90°F (27-32°C) with ventilation for 3-5 days.

Storage: Store at 55-60°F (12-15°C), 50-75% relative humidity, and good air circulation. An accumulation of sub 50°F (10°C) exposure events causes chilling injury, reducing storage life.

Seed Specs: See individual varieties. **Packet:** 30 seeds.

Germination Guide:



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Days to Maturity: From date of direct seeding; subtract about 14 days if transplanting.

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Avg. Direct Seeding Rate: (At 2 seeds/ft., rows 6' apart.) Group 1: Hubbard, Kuri 50'/oz., 850'/lb., 81/2lb./acre. Group 2: Buttercup, Kabocha, Spaghetti, 75'/oz., 1,250'/lb., 53/4lb./acre. Group 3: Butternut, Acorn, 155'/oz., 2,500'/lb., 3lb./acre. Group 4: Delicata 225'/oz., 3,750'/lb., 2 lb./acre.

Insect Pests: Protect young plants with floating row covers. Cucumber beetles, squash bugs, and vine borers can be a challenge. Pyrethrin offers some control. Squash bug eggs laid on the underside of leaves may be located and crushed

Keep borders well mowed. For vine borers, cut out of vines. Clean up refuse in the fall, and spring-plow the ground to break up. This type has solid vines usually not bothered by borers.

Disease Resistance: **HR** = High Resistance **IR** = Intermediate Resistance

PM Powdery Mildew

Disease: Cucumber beetles can carry bacterial wilt and mosaic. Gummy stem blight (black rot) causes black, sunken spots on stems. Storage and the tan scabby patches on butternuts in the field occur in damp weather. Powdery mildew can occur in hot weather during dry periods. Consult your local Extension agent for more information. Choose well-drained soil to avoid *Phytophthora*.

Harvest: Before heavy frost, cut stems about 1" from the fruit and skin is hardening. Handle fruits gently, as they can bruise.

Post Harvest: Cure in the field to dry and toughen skins by 5–7 days or so, covering in the evening if frost is likely. An alternative is to expose squash to 80–90°F (27–32°C) with ventilation for 7–10 days.

Storage: Store at 55–60°F (12–15°C), 50–75% relative humidity with good circulation. An accumulation of sub 50°F (10°C) exposure will reduce storage life.

Seed Specs: See individual varieties.

Packet: 30 seeds

Germination Guide:



Soil Temp.	°C	5	10	15	20	25	30	35
	°F	41	50	59	68	77	86	95

Optimum Range





HARRISTM

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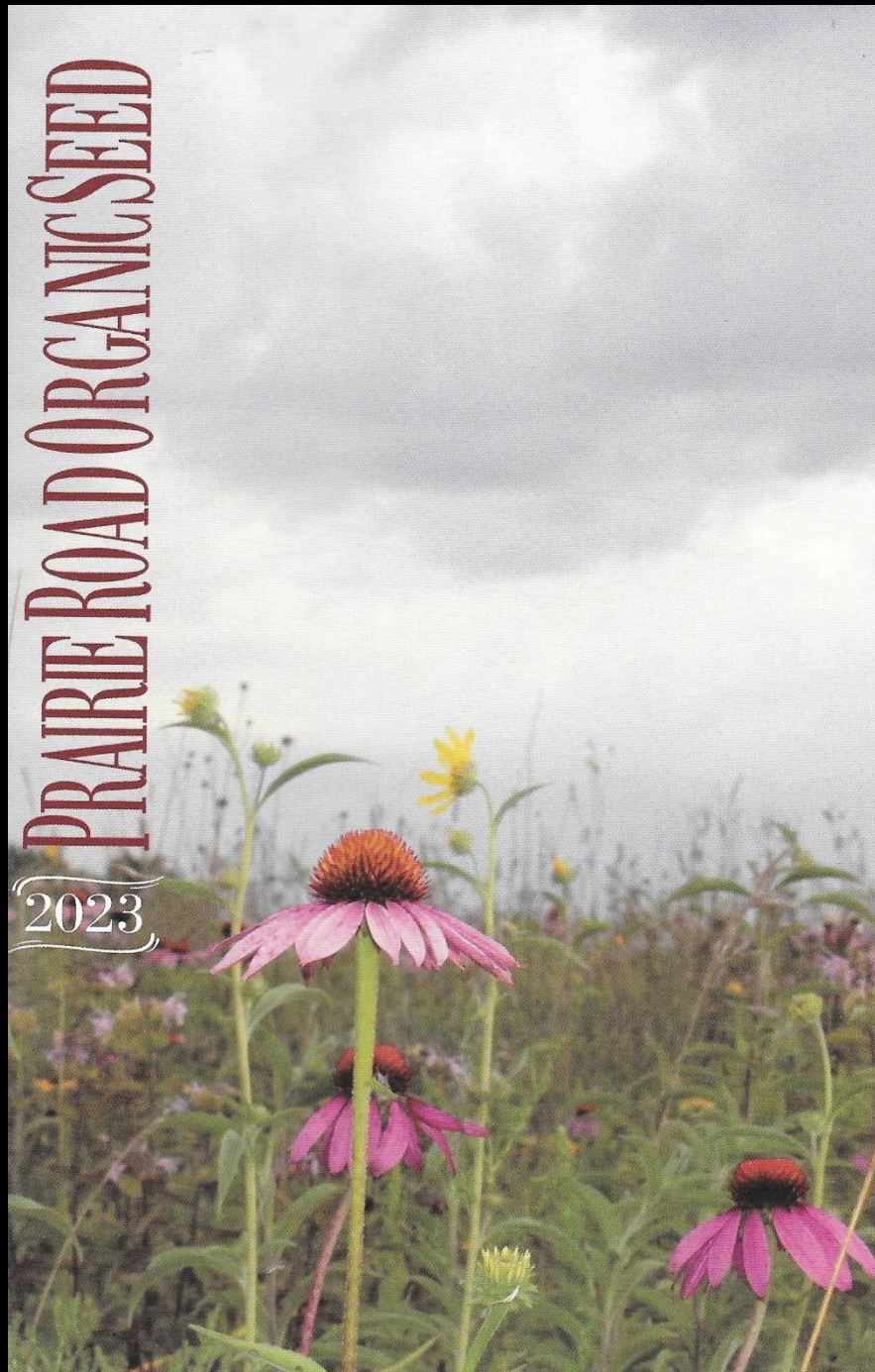


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PRAIRIE ROAD ORGANIC SEED

2023



Selecting Seeds

- Early maturing (100 days or less)
- Flavorful
- Resist diseases (powdery mildew)
- Productive
- Locally adapted

Sowing

1. Direct

- ✓ After danger of frost (mid to late May).
- ✓ Soil temps in the 60s.
- ✓ *Summer*: 6 inches apart; thin to 18–24 inches.
Rows 6 feet apart.
Winter: 6–12 inches apart; thin to 18–36 inches.
Rows 6–12 feet apart.

Sowing

2. Transplants (winter squash only)

- ✓ Sow in early May, **3** weeks before transplanting.
- ✓ Peat pots or 2-inch plastic cells.
- ✓ Sow 2 seeds per pot/cell; thinning to 1 seedling.
- ✓ Space plants in field at 18 to 36 inches apart.

Tips for Seed Starting

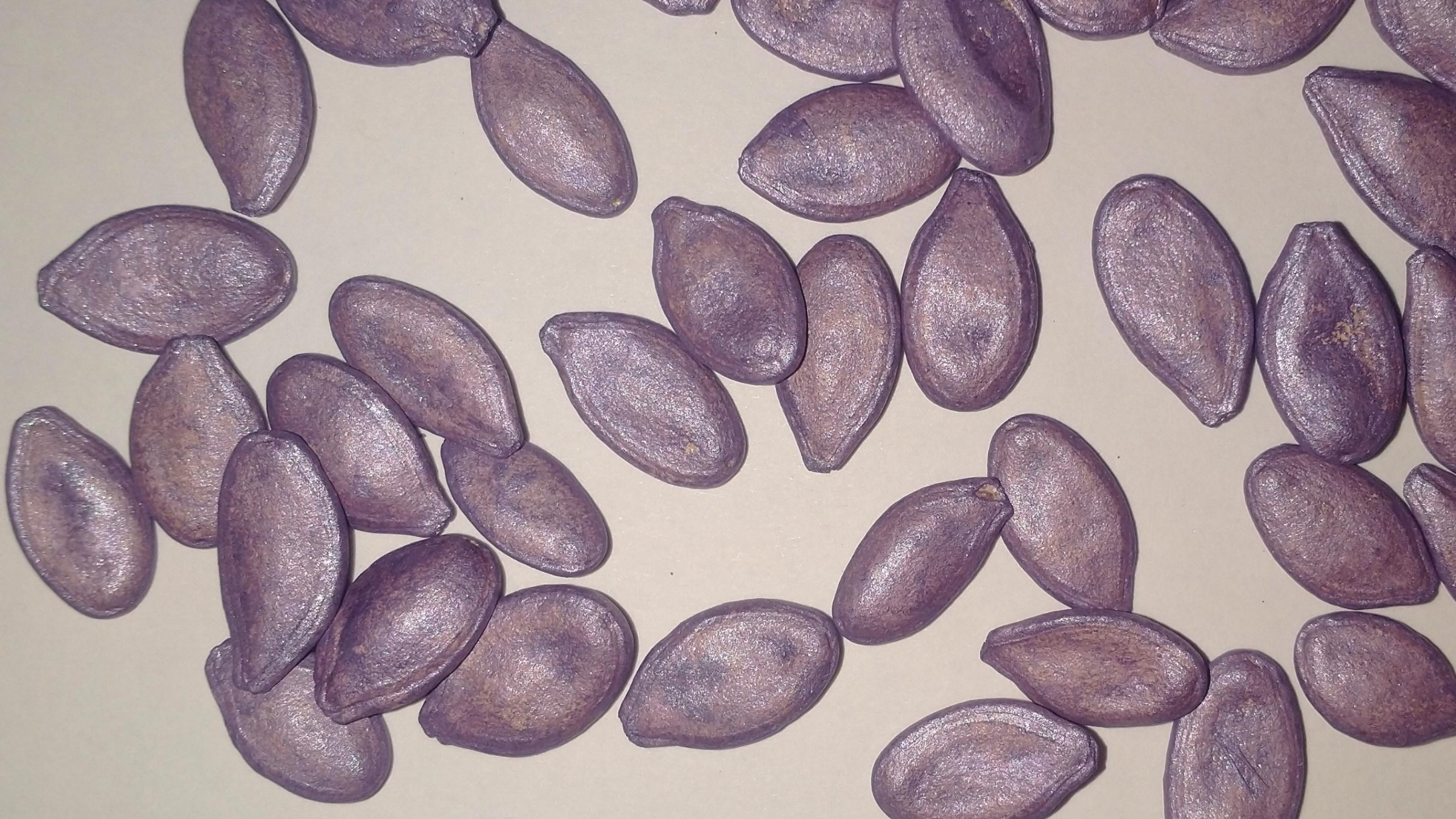
- Seed starter or potting soil mix
- Warm beginnings
- Lots of light
- Do not overwater







Peat pots





Powdery Mildew





Watering

Watering Squash

- Avoid overhead irrigation
- Irrigate in morning
- Water deeply, not frequently



Squash Vine Borer





Cucumber beetle

















Enjoy!



Harvesting



Harvesting Winter Squash

- Fruits tolerate light frost
- Clip fruits from stem
- Brush off soil
- Cure for a week under warm temps (70–85 °F)

Storing Winter Squash

- Store under cool temps (50–60 °F)
- Wait times:
 - ✓ *None: Acorn, Delicata and Spaghetti*
 - ✓ *One month: Buttercup and Kabocha*
 - ✓ *Two months: Butternut*

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Questions?



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2025

field to FORK

