



**North Dakota
Home Garden
Variety Trials
*2012***

NDSU EXTENSION SERVICE

More information

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Come join us!

North Dakota State University (NDSU) is looking for gardeners to help evaluate vegetable, herb, and cut flower varieties. We'll work together to determine which varieties are best for us in North Dakota.

All gardeners are welcome to participate! We have formed a team of 500 families the past few years, the largest network of its kind in America.

What's new in 2012

Herbs. We have added herbs to our trials. Please look over our selection of basil, cilantro, dill, and parsley.

Natural seed treatments. We decided two years ago to stop offering seed treated with toxic chemicals. Unfortunately, the cold and wet weather the past two springs have reduced germination of corn and some other crops. This year, we are excited to be using sweet corn seed treated with a natural film treatment approved by organic growers. It's safe and will get our corn seedlings off to a much healthier start. We will continue to use clay-pelleted seed when available for such tiny-seeded crops as carrots, lettuce, and basil. This pelleted treatment is non-toxic and makes seeds easier to sow.

New varieties. We like to test varieties two times to see how they respond to the different growing conditions each year. A few of the 2011 trials are repeated this year, but most trials in 2012 include new varieties.

Ordering information

Orders are now being accepted. See pages 13–14 for the order forms. Gardeners may select up to five of our sixty trials to evaluate.

Please pay \$1.00 per trial (each trial has two varieties).

Trials managed by children are free (please complete order form on page 14).

Whether paying for trials or not, please add \$2.50 for postage/handling. Thus, for an order of five trials with no children participating, the fee would be \$5.00 plus \$2.50 (\$7.50 total). If one child was managing a trial, the seeds for that trial would be free and the total fee would be \$6.50.

Checks should be addressed to "NDSU" and mailed to: NDSU Extension Service; Attn: Variety Trials; 3715 East Bismarck Expressway, Bismarck, ND 58501. Seeds may also be ordered online with a credit card by going to our web site <www.dakotagardener.com>.

Who can participate?

Everyone! This includes commercial growers and backyard gardeners, senior citizens and youth, beginners and experts. We especially want to involve children. Many of our trials are fast (60 days or less) and easy!

We focus on working with gardeners in North Dakota, but will work with gardeners from western Montana, northwestern Minnesota or northern South Dakota. Please contact Tom Kalb at tom.kalb@ndsu.edu for more information.

Selecting trials

Each trial has two varieties and households must sow and evaluate both varieties.

Households may select up to five trials to evaluate. All efforts will be made to give the gardeners their preferred varieties, but seed supplies are limited. Gardeners will have the option to select alternate trials in case their first selections are not available.

Our agreement

This project is a research program, not a seed store.

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Gardeners must agree to manage their seeds in a responsible manner and report their results to NDSU. For our part, we have made the trials simple and fun.

Gardeners will receive seed packets sufficient to plant a 10-foot row

Continued on page 12

2012 Vegetable Trials

BEAN



#1. Bush, Dry

Arikara Yellow

85 days. Prolific plants produce tan seeds. Good drought tolerance. From the Arikara tribe of ND.

Great Northern

85 days. Flavorful, large white seeds. Good yields. Popular in the north. Heirloom from Bismarck, ND.

60 seeds each



#2. Bush, Green (Concentrated harvest)

Pike

55 days. Consistent performer in the north. Medium-dark green pods are thin, straight and smooth. Holds well in the garden at maturity.

Provider

51 days. Very dependable and productive. Concentrated, early harvests of attractive, straight beans. Easy to grow. Purple seeds germinate well in cool soil.

60 seeds each



#3. Bush, Green (Multiple harvests)

Bush Blue Lake 274

60 days. The standard for yield and quality. Dark green, fiber-free, stringless pods. Dependable. White seeds.

Strike

54 days. High yields of easy-to-pick beans. Sets early and continuously through the summer. Straight, green, 5-inch pods. White seeds.

60 seeds each

#4. Bush, Purple

Amethyst

56 days. *New!* Pods are especially thin, straight, and of high quality. Dark purple pods turn green when cooked. Tan-colored seeds.

Royal Burgundy

55 days. Pods are 5 inches long, stringless and tender. Dark purple pods turn green when cooked. Buff-colored seeds.

60 seeds each

#5. Bush, Yellow Filet

Goldito

52 days. Smooth, slender, straight and stringless pods of highest quality. Easy to pick. White seeds.

Soleil

60 days. Slender, sunny yellow pods with exquisite flavor. Freezes well. White seeds.

60 seeds each



#6. Pole, Yardlong

Gita

78 days. Dark green pods, thin as a pencil and up to 20 inches long. Fun for kids. Needs a tall trellis.

Orient Wonder

70 days. Bright green, slender pods. Tolerates cool weather. Needs a tall trellis. Brown-red seeds.

40 seeds each

CARROT



#8. Chantenay

Hercules

65 days. *New in 2011!* Strong tops with cone-shaped roots. Stores well. Especially good in heavy or rocky soils, where other carrots struggle.

Royal Chantenay

70 days. Standard main crop variety, especially suited for heavy soils. Roots have a broad, blocky shape. Good flavor and texture.

360 seeds each



#9. Nantes

Laguna

65 days. *New!* Bright orange, 6-inch roots with outstanding flavor. Uniform shape and superior quality.

Nelson

56 days. Sweet flavor and outstanding tolerance to heat. This hybrid's roots are deep orange, smooth, and 6 inches long with blunt tips.

240 pelleted seeds each

CORN



#10. Corn, Sweet Bicolor

Mystique (se+)

72 days. Reliable, midseason type with a long harvest period (up to 10 days) allowing for multiple harvests from a single sowing. Much sweeter than normal sweet corn.

Trinity (se+)

68 days. Very popular for its earliness and superb taste. The 8-inch ears have tender kernels. Grows well in cool soils. Much sweeter than normal sweet corn.

80 organically treated seeds each



#11. Corn, Sweet Yellow

Spring Treat (se)

66 days. Very early and easy to harvest. Does well in cool soils. Good quality. Sweeter than normal sweet corn.

Sugar Buns (se+)

70 days. Slender ears remain tender for up to two weeks in the field. Much sweeter than normal sweet corn.

80 organically treated seeds each



BEET



#7. Red

Detroit Supreme

59 days. Selection of 'Detroit Dark Red'. Superior uniformity and quality. Smooth, globe-shaped beets.

Early Wonder

60 days. Popular variety, especially for its greens. Its tops are tall and bright green with red veins. Its roots are deep red and well suited for bunching and canning.

150 seeds each

CUCUMBER



#14. Pickling

Homemade Pickles

55 days. Vigorous, disease-resistant vines produce loads of cukes ideal for pickling. Medium-green fruits are solid and crisp.

Jackson Classic

49 days. *New!* Disease-resistant vines produce high yields of dark green, blocky cukes. White spines.

30 seeds each



#15. Slicing, Burpless

Sweeter Yet

48 days. Earliest, most reliable burpless. Smooth, dark green fruits. Harvest when 8–10 inches long.

Tanja

58 days. *New!* Long (14 inch) cukes are crisp, flavorful, and bitter-free. Good yields through the summer.

30 seeds each

SPECIALTY CORN



#12. Flint/Ornamental

Bloody Butcher

105 days. Ears filled with gorgeous "bloody" red and red-black kernels. Used for flour, cornmeal, or fall decorations. Good drought tolerance. Tall, 10-foot stalks. Heirloom from Virginia.

Strubbes Orange

100 days. *New!* Orange kernels with a touch of yellow and red. Makes for beautiful flour, cornmeal, or decorations. Sturdy stalks.

60 seeds each



#13. Popcorn/Ornam'l

Red Beauty

120 days. *New!* Six-inch ears have dark red kernels. Kernel shells stay red after popping. Pink husks. Beautiful as ornamental. Late maturing.

Strawberry

100 days. Small, 3-inch ears look like giant strawberries (shown above). Popular popcorn and ornamental corn among northern gardeners.

80 seeds each

#16. Slicing, Classic

Marketmore 76

68 days. Main-season slicer. Disease-resistant vines set dependable yields of dark green fruits.

Straight Eight

58 days. Early slicer. Straight, dark green fruits grow 8 inches long. Small seed cavity. Excellent for slicing or making dill pickles.

40 seeds each

#17. Slicing, Hybrid

General Lee

66 days. Very productive, main-season slicer. Disease-resistant vines set good yields even under adverse conditions.

Raider

52 Days. Dependable early slicer. Especially popular in the north. High yields of fancy, dark green fruits. Disease-resistant vines.

30 seeds each

GREENS



#18. Chinese Cabbage

Fun Jen

45 Days. Fast-growing cabbage with frilly, lettuce-like leaves. Crisp and mild. Light green leaves with white ribs. Used in stir fries and soups.

Tokyo Bekana

21 to 45 days. Light green leaves with ruffled tips. Mild flavor. Harvest as baby leaves for salads or cut later for stir fries.

240 seeds each



#19. Mizuna

Early

21 to 50 days. This Japanese mustard is tender and mild. Its lacy foliage is harvested young and added to salads; delicious in stir fries, too.

Ruby Streaks

21 to 40 days. Delicate, dark green leaves with dark red veins. Mildly pungent. Harvest as a baby green for salads or let mature for stir fries.

240 seeds each

KOHLRABI



#20. White

Grand Duke

45 days. Smooth, light green bulbs of superior quality. Former All-America winner.

Winner

45 days. Very popular for its fresh, fruity taste. Holds well in the field.

120 seeds each

LETTUCE



#21. Bibb

Buttercrunch

64 days. Longtime favorite. Sweet, crisp leaves are surrounded by thick, dark green outer leaves. A vigorous variety that grows well in spring, summer and fall. Resists bolting.

Winter Density

54 days. Compact bibb-romaine looks like a tall 'Buttercrunch'. Very tightly folded, 8-inch leaves. Popular heirloom from France.

90 pelleted seeds each



#22. Leaf

Tropicana

52 days. Full, heavy heads of deep green. Very resistant to heat and bolting. Easy to grow.

Two Star

51 days. Heavy, dark green leaves are sweeter and less frilly than others. Heat-resistant and easy to grow.

120 pelleted seeds each

#23. Romaine

Coastal Star

57 days. Large, heavy leaves are dark green with sweet flavor. Heat tolerant.

Green Forest

56 days. Very attractive romaine with tall, dark green leaves and smooth ribs. Tolerates heat. Very reliable.

90 pelleted seeds each



MELON



#24. Cantaloupe, Early

Goddess

70 days. Excellent early yields. Fruits range 4–6 pounds in weight. Rinds are finely netted with shallow ribs. Very sweet, bright orange flesh. Disease-resistant vines.

Halona

73 days. This early melon has outstanding flavor and good size (4–6 pounds). Vines resist diseases.

21 seeds each

#25. Cantaloupe, Main

Hannah's Choice

76 days. Noted for its exceptionally sweet and juicy orange flesh. Melons are 3 pounds. Developed in north-eastern USA.

Sarah's Choice

86 days. Good yields of mid-sized (3–5 pound) melons. Deep orange flesh with outstanding flavor. Vines resist many diseases. Developed in north-eastern USA for local markets.

21 seeds each



#26. Galia

Arava

77 days. Luscious green-fleshed melon named for a valley in Israel. A good yielder, even in cool conditions. Melons average 3 pounds. Fruits slip from vines when ripe.

Diplomat

71 days. Large, 5–6-pound melons ripen early. Thick green flesh is sweet and aromatic. Small seed cavity. Vigorous vines. Fruits slip when ripe.

21 seeds each



#27. Green Flesh

Eden's Gem

72 days. Also called 'Rocky Ford', this heirloom has small (1 pound) fruits with a complex spicy flavor and smooth texture. Fruits slip from the vigorous vines when ripe.

Jenny Lind

75 days. Soft, juicy, lime-green flesh with mild flavor. The small (1 pound) fruits have coarse netting with a button on their blossom ends. Rind blushes when ripe.

30 seeds each

OKRA



#28. Okra, Green

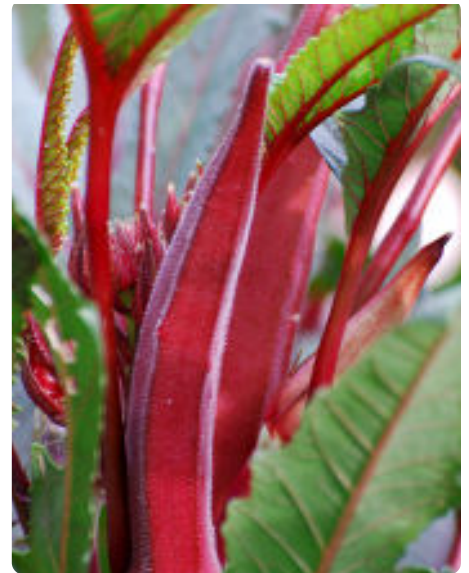
Clemson Spineless

60 days. Most popular variety. Pods are green, spineless, and good quality. Productive plants grow 4 feet tall.

Star of David

70 days. The ribbed pods show the Star of David when cross-sliced. The pods are thick and best harvested young (3 inches). Tall, 7-foot plants.

40 seeds each



#29. Okra, Red

Carmine Splendor

51 days. *New!* Deep red pods turn lighter red as they develop. Plants are productive and ornamental. Early.

Red Burgundy

57 days. Attractive 4-foot plants with burgundy accents produce good yields of tender, burgundy pods.

40 seeds each

PEA



#30. Shelling

Green Arrow

70 days. Impressive yields of long, slim pods each with 9–11 small, flavorful peas. Pods are borne in pairs along the 28-inch vines.

Lincoln

65 days. Good for freezing. Pods are filled with 8–10 tender peas. Excellent flavor. Vines tolerate heat and resist diseases. Height 28 inches.

150 seeds each



#31. Snap

Sugar Ann

52 days. Very early. The 24-inch vines produce sweet, crisp pods. Remove string from pods before cooking. Does not require trellising.

Sugar Sprint

58 days. Short, 24-inch vines produce 3-inch, nearly stringless pods. Excellent eating quality. Does not require trellising.

150 seeds each



#32. Snow

Dwarf Grey Sugar

65 days. Pale green pods are stringless; perfect for salads or steaming. Lovely purple flowers. Vines grow 24–30 inches. Trellising optional.

Oregon Sugar Pod 2

65 days. Easy to grow, early pea. Pods are delicious steamed or fresh. Disease-resistant, 24–28-inch vines. Trellising optional.

150 seeds each

PUMPKIN



#33. Jack-o'-lantern

Magic Lantern

115 days. Space-saving vines produce dark orange pumpkins. Pumpkins average 16–24 pounds.

Racer Plus

85 days. Blocky, deep orange pumpkins. Vines are compact (good for smaller gardens) and resist diseases. Pumpkins average 14–18 pounds and have long, thick handles.

15 seeds each

RADISH



#34. Red

Cherry Belle

23 days. Bright cherry-red, round roots. Flesh is pure white, crisp, and mild. Its short tops are good for bunching. Tolerates poor soils.

Rover

21 days. Newer variety with very smooth, dark red skin. Flesh is crisp and mild. Easily grown, even under adverse conditions.

200 seeds each

RUTABAGA



#35. Rutabaga

American Purple Top

90 days. Large, 6-inch roots are tan with purple tops. Flesh is yellow, mild, and fine grained. High yields. Stores well.

Laurentian

95 days. Popular Canadian variety. Creamy yellow base with deep purple tops. Flesh is pale yellow, sweet, and smooth in texture.

120 seeds each

SPINACH



#36. Savoy Leaf

Donkey

38 days. *New!* Dark green, crinkly leaves for spring sowing. Slow to bolt. Outstanding disease resistance.

Tyee

40 days. The standard savoy (crinkly) leaf spinach. Very slow to bolt. Upright habit makes harvesting easy.

150 seeds each

SUMMER SQUASH



#37. Summer Scallop

Sunburst

51 days. Early and productive. The bright, tender fruits have succulent buttery flavor. Vigorous plant. 1985 All-America Selections winner.

Y-Star

48 days. *New!* Tender, yellow scallops with pale green stars on the end. An organic variety with an open plant habit for easy harvesting.

20 seeds each



#38. Summer Zucchini

Spineless Beauty

43 days. Plants are nearly spineless and have an open habit, making it easy to harvest. Big yields over an extended season. Delicate flavor.

Spineless Perfection

45 days. *New!* Medium green zukes twist easily from spineless, open plants. Vines resist diseases, leading to a long and productive harvest.

20 seeds each

WATERMELON



#39. Red

Blacktail Mountain

85 days. Deep scarlet flesh is crisp and juicy. Developed in Idaho and matures early. Solid dark green rinds. Melons grow 6–12 pounds.

Sweet Dakota Rose

85 days. Sweet flesh has very few seeds. Developed in North Dakota and adapted to its short summer. Striped melons grow 10–20 pounds.

21 seeds each



#40. Red Large

Legacy

85 days. Flesh is red, crisp, and very sweet. Reliable producer. Striped melons weigh up to 22 pounds. Large seeds.

Verona

80 days. The earliest and best tasting of 'Black Diamond' types. Melons average 20 pounds with dark green, smooth rinds. Flesh is firm and sweet.

24 seeds each



#41. Yellow

Early Moonbeam

78 days. A non-hybrid selection from 'Yellow Doll'. Bright yellow flesh with sweet taste. Striped, round melons weigh 5–8 pounds.

Sweet Siberian

80 days. Siberian heirloom introduced by Oscar Will Seed Company of Bismarck. Very sweet, apricot-colored flesh. Ten-pound melons.

24 seeds each

2012 Herb Trials

BASIL



#42. Italian

Genovese

70 days. Classic flavor and appearance. Dark green leaves about 3 inches long.

Italian Large Leaf

80 days. Medium green, 4-inch-long leaves. Sweeter than 'Genovese'.

150 pelleted seeds each



#43. Lemon

Mrs. Burns

62 days. Intense flavor. Bright green leaves. Heirloom from New Mexico.

Sweet Dani

65 days. Extremely vigorous plant allows for multiple harvests. Strong fragrance. All-America winner.

150 seeds each



#44. Purple

Amethyst Improved

60 days. Stunning, deep purple leaves. True 'Genovese' flavor.

Red Rubin

77 days. Purple leaves with a copper tinge. 'Italian Large Leaf' type. Vigorous plants and high yields.

100 seeds each

CILANTRO



#45. Cilantro/Coriander

Caribe

52 days. Easy to grow and extremely slow to bolt. Used to enhance salsas and curries.

Santo

50 days. Slow-bolting, fast-growing strain preferred by many growers. Deep green leaves and aromatic seeds.

200 seeds each

DILL



#46. Dill

Bouquet

65 days. Widely grown. Vigorous and easy to grow. Popular for its aromatic leaves and seeds.

Dukat

70 days. Produces more foliage before going to seed. Intense flavor. High yields, large umbels.

250 seeds each

PARSLEY



#47. Parsley

Forest Green

75 days. Upright stems keep the dark green, curled leaves clean and easy to cut. Tolerates heat and repeat cutting.

Giant of Italy

75 days. Huge, flat leaves with rich flavor. Strong, vigorous plants. Heirloom from Italy.

200 seeds each

2012 Flower Trials

COSMOS



#48. Garden Mix

Double Click

110 days. Unique semi-double and double blooms. Late blooming. Great in garden and for cutting. Sturdy stems. Height 42 inches.

Sensation

80 days. Long-time favorite. Tall plants with single petals. Lacy foliage. Height 48 inches.

40 seeds each



#49. Garden White

Sensation Purity

80 days. Selection of 'Sensation'. Delicate, pure white single blooms. Vigorous plants grow 48 inches.

Sonata White

55 days. Wind-tolerant, bushy plants are loaded with pure white, single blooms. Height 24 inches.

30 seeds each



#50. Sulphur

Bright Lights

75 days. Clusters of bright, semi-double gold and orange flowers. Height 40 inches.

Polidor

70 days. Radiant mix of red, gold and orange. Showy in mass plantings. Height 36 inches.

50 seeds each

SUNFLOWER



#51. Orange Cutting

Pro Cut Orange

55 days. Most popular, early type. Single stem, pollenless type for cutting. Height 60–72 inches.

Zohar

55 days. Popular organic variety. Single stem, pollenless type for cutting. Height 48–60 inches.

30 seeds each

SWEET PEA

#52. Tall

Mammoth Choice

74 days. Blooms early and withstands heat. Large, fragrant flowers. Long stems for cutting. Height 60–72 inches. Requires trellis.

Royal Mix

90 days. Large blossoms in a wide array of colors. Outstanding fragrance. Long stems for cutting. Height 72 inches. Requires trellis.

60 seeds each



ZINNIA



#53. Cactus

Burpeeanna Giants

80 days. Huge flowers in a bright array of colors. Height 36 inches.

Giant Cactus Mix

80 days. Extra large, fully double, cactus-type flowers. Height 30 inches.

50 seeds each

#54. Cutting

Cut & Come Again

80 days. A never ending display of double and semi-double flowers for cutting. Flowers are 2.5 inches across and ruffled. Height 24 inches.

Oklahoma

80 days. Bright colors, excellent vase life, and resistance to mildew. Lots of 2-inch blooms. Outstanding for cut flowers. Height 30–40 inches.

50 seeds each

#55. Giant Classic

Giant Dahlia Mix

80 days. Sturdy plants produce lots of 5-inch single, semi-double, and double flowers in bright colors. For cutting. Height 40–50 inches.

State Fair Mix

90 days. Giant 4-inch blooms in a mix of colors. Long stems are good for cutting. Height 36 inches.

50 seeds each



#56. Giant Lime

Benary's Giant Lime

80 days. Large, 5-inch flowers on long, sturdy stems. Excellent cut flower. Height 40 inches.

Queen Lime

80 days. Well-branched plants filled with chartreuse flowers. Flowers are medium in size and fully double. Excellent vase life.

30 seeds each



#57. Giant Orange

Benary's Giant Orange

80 days. Large, 5-inch flowers on long, sturdy stems. Resists mildew. Excellent cut flower. Height 40 inches.

Inca

80 days. Extra large, fully double, cactus-type flowers make an impact in the garden and the vase. Vivid orange. Height 36 inches.

30 seeds each



#58. Giant Scarlet

Giant Dahlia Scarlet

80 days. Huge 5-inch flowers perfect for cutting. Single, semi-double and double flowers. Height 40–50 inches.

Scarlet Flame

80 days. Old-fashioned zinnia with elegant appearance. Bright scarlet flowers on sturdy 36-inch plants.

50 seeds each



Join us!

(continued from page 2)

of each variety. Row labels and evaluation sheets will also be mailed to gardeners.

We use 10 feet as our guide to get a fair look at a variety. Persons with small gardens or container gardens may participate but please allow for a fair look of each variety.

We do not use seeds treated with toxic chemicals in this family-friendly program.

Is it hard to participate?

NDSU is not looking for complicated data. For each trial, we simply wish to know which of the two varieties germinated best, was most healthy, produced the most vegetables (or flowers), and produced the finest quality vegetables (or flowers).

We wish to know which of the two varieties you prefer and which of the two varieties (if any) you recommend to other gardeners in North Dakota. See page 15 for an example of a completed evaluation form.

What will we do with the results?

Upon receiving the results of gardeners (typically soon after the frost), NDSU will compile the results and send a final report to all gardeners along with a certificate to recognize their valued participation.

The results will be used to develop recommendations for gardeners in North Dakota and distributed via University publications and broadcasts.

For more information, contact Tom Kalb at the address listed on the back of front cover.

Acknowledgements

The descriptions of varieties in this catalog were obtained from catalogs of numerous seed companies, including Burpee, Fedco, Harris, Johnny's, Jung, Seed Savers Exchange, Seeds of Change, Stokes, Territorial, and Veseys. These descriptions are used for educational purposes only. This is valuable information and one goal of this project is to understand how these varieties perform under the special rigors of North Dakota.

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Trial 1: 'Arikara Yellow' dry bean by Tom Kalb; **2, 3: Green Beans** by Tito Perez, <http://www.flickr.com/photos/titoperez/4137891214/>; **4, 5: beans from our garden** by Vilseskogen, <http://www.flickr.com/photos/vilseskogen/3111695855/>; **6: Chinese Yardlong Beans** by arsheffield, <http://www.flickr.com/photos/arsheffield/5403319401/>; **7: Beets at the Alhambra Farmers' Market...** by Nathan Gray, <http://www.flickr.com/photos/a-culinary-photo-journal/3133566149/>; **8: Carrots and Eggplants** by Elizabeth Thomsen, <http://www.flickr.com/photos/ethomsen/2690055049/>; **9: Orange Carrots** by Dan Klimke, <http://www.flickr.com/photos/dklimke/3630474098/>; **10-13: Brunswick East, January 2009** by mazzle278, <http://www.flickr.com/photos/mazzle/3193587998/>; **10: Farm Fresh Nebraska Sweet Corn** by shannonpatrick17, <http://www.flickr.com/photos/shannonpatrick17/2741977165/>; **11: summer sweet corn** by Robert Couse-Baker, <http://www.flickr.com/photos/29233640@N07/597228077/>; **12: "Chapalote" landrace maize** by International Maize and Wheat Improvement Center, <http://www.flickr.com/photos/cimmyt/5185890566/>; **13: Strawberry Popcorn** by Chiot's Run, <http://www.flickr.com/photos/chiotsrun/4016464029/>; **14: Pickle Wanna' be** by georbott, http://www.flickr.com/photos/deep_6/2167979208/; **15-17: Cucumber** by Dan Klimke, <http://www.flickr.com/photos/dklimke/4639932167/>; **18: tokyo bekana mustard** by Joan, <http://www.flickr.com/photos/pipdiddly/57114104651/>; **19: DSCF2733.JPG** by Neal Foley, <http://www.flickr.com/photos/86571141@N00/29566208/>; **20: Kohlrabi** by Lisa Norwood, <http://www.flickr.com/photos/lisanorwood/949106804/>; **21: Lettuce** by Dwight Sipler, <http://www.flickr.com/photos/photofarmer/4988502260/>; **22: Red and Green Leaf Lettuce** by ilovebutter, <http://www.flickr.com/photos/jdickert/604500438/>; **23: Romaine Lettuce - Week 2ish** by Tania Gail, <http://www.flickr.com/photos/skye820/4622553761/>; **24-25: Melon Season** by Judy Knesel, <http://www.flickr.com/photos/jknesel/4476564138/>; **26: mellow fruitfulness #2** by the sea the sea, <http://www.flickr.com/photos/through-this-window/1593415116/>; **27: Honeydew** by jillmotts, <http://www.flickr.com/photos/amayu/248001541/>; **28: Okra** by NatalieMaynor, <http://www.flickr.com/photos/nataliemaynor/3999485442/>; **29: Red okra** by Melinda Shelton, <http://www.flickr.com/photos/melindashelton/2843818803/>; **30: Peas in a pod** by Dave Gunn, http://www.flickr.com/photos/shelley_dave/2696663858/; **31: Sugar Snap Peas** by Your Secret Admiral/Julie, <http://www.flickr.com/photos/yoursecretadmiral/4707352649/>; **32: Snow Pea** by norwich nuts, <http://www.flickr.com/photos/veganfeast/4996848357/>; **33: Pumpkin Harvest** by fishin widow, http://www.flickr.com/photos/ann_blairs_photos/2952184260/; **34: Farmers Marker - Radishes** by Cleber Mori, <http://www.flickr.com/photos/cleber/2549978707/>; **35: rutabagas** by bourgeoisbee, <http://www.flickr.com/photos/bourgeoisbee/1956050903/>; **36: 1k-7649 spinach** by Timothy K Hamilton, <http://www.flickr.com/photos/bestrated1/19721136/>; **37: yellow squash** by Robert Couse-Baker, <http://www.flickr.com/photos/29233640@N07/2873721754/>; **38: Organic Zucchini** by ilovebutter, <http://www.flickr.com/photos/jdickert/852904568/>; **39: watermelon is love** by Edward O'Connor, <http://www.flickr.com/photos/hober/168648375/>; **40: Big watermelon!** by Andy Melton, <http://www.flickr.com/photos/trekkyandy/2698490365/>; **41: yellow watermelon** by Greg Hirson, <http://www.flickr.com/photos/ghirson/42770867/>; **42: Basil** by Amanda Slater, <http://www.flickr.com/photos/pikerslanefarm/2650630412/>; **43: lemon basil** by Joan, <http://www.flickr.com/photos/pipdiddly/4969488166/>; **44: Purple Basil** by Patrick Bennett, <http://www.flickr.com/photos/-patrickb-/5838864066/>; **45: Coriander in a close-up** by Henrique Vicente, <http://www.flickr.com/photos/henriquev/41333668/>; **46: tilli - dill** by vaula, <http://www.flickr.com/photos/23882161@N03/3840616906/>; **47: Flat-leafed parsley** by Jeremy Keith, <http://www.flickr.com/photos/adactio/2856031477/>; **48: Pink cosmos and bee** by Dennis Wong, <http://www.flickr.com/photos/denniswong/3375540542/>; **49: Cosmos Couple** by Verdance, <http://www.flickr.com/photos/pattym/26701404/>; **50: Chorus Line** by John, <http://www.flickr.com/photos/puzzler4879/5349425408/>; **51: You know you've got it bad... (96/365)** by Mags_cat, <http://www.flickr.com/photos/mk1971/1342077980/>; **52: Midsummer Sweet Peas** by Elle-Epp, <http://www.flickr.com/photos/elle-epp/2681274484/>; **53: Zinnia** by Audrey, <http://www.flickr.com/photos/audreyjm529/6127406684/>; **54-55: Pretty in Pink** by BlueRidgeKitties, <http://www.flickr.com/photos/blueridgekitties/4836624430/>; **56: Zinnia Benary's Lime Green** by Annie's Annuals & Perennials, <http://www.flickr.com/photos/anniesannuals/3250446783/>; **57: Inca Zinnias** by Faith Unlimited, <http://www.flickr.com/photos/faithunlimited/3602858144/>; **58: Zinnia** by Garry Wilmore, <http://www.flickr.com/photos/gwilmore/2952367243/>.

Order Form - Adults

There are 58 trials to choose from. Each trial is a comparison of two varieties. Mark an **(X)** next to the trials you wish to participate in. Households may participate in up to a total of five trials, whether or not children are involved. Seed supplies are limited. Besides your "X" marks, you may place an "A" next to alternate trials you would grow in case your first "X" choices are not available. "A1" may signify your first alternate and "A2" your second alternate.

VEGETABLES

- #1. Bean, Dry (*Arikara Yellow, Great Northern*)
- #2. Bean, Green Conc. (*Pike, Provider*)
- #3. Bean, Green Mult. (*B. Blue Lake 274, Strike*)
- #4. Bean, Purple (*Amethyst, Royal Burgundy*)
- #5. Bean, Yellow Filet (*Goldito, Soleil*)
- #6. Bean, Pole Yardlong (*Gita, Orient Wonder*)
- #7. Beet, Red (*Detroit Supreme, Early Wonder*)
- #8. Carrot, Chantenay (*Hercules, Royal Chantenay*)
- #9. Carrot, Nantes (*Laguna, Nelson*)
- #10. Corn, Bicolor (*Mystique, Trinity*)
- #11. Corn, Yellow (*Spring Treat, Sugar Buns*)
- #12. Corn, Flint (*Bloody Butcher, Strubbes Orange*)
- #13. Corn, Popcorn (*Red Beauty, Strawberry*)
- #14. Cucumber, Pickling (*Homemade P., Jack. C.*)
- #15. Cucumber, Burpless (*Sweeter Yet, Tanja*)
- #16. Cucumber, Classic (*Mark. 76, Straight Eight*)
- #17. Cucumber, Hybrid (*General Lee, Raider*)
- #18. Greens, C. Cab. (*Fun Jen, Tokyo Bekana*)
- #19. Greens, Mizuna (*Early, Ruby Streaks*)
- #20. Kohlrabi (*Grand Duke, Winner*)
- #21. Lettuce, Bibb (*Buttercrunch, Winter Density*)
- #22. Lettuce, Leaf (*Tropicana, Two Star*)
- #23. Lettuce, Romaine (*Coastal Star, Green Forest*)
- #24. Melon, Cantaloupe Early (*Goddess, Halona*)
- #25. Melon, Cantaloupe Main (*Hannah's, Sarah's*)
- #26. Melon, Galia (*Arava, Diplomat*)
- #27. Melon, Green Flesh (*Eden's Gem, Jenny Lind*)
- #28. Okra, Green (*Clemson Spineless, Star of David*)
- #29. Okra, Red (*Carmine Splendor, Red Burgundy*)
- #30. Pea, Shelling (*Green Arrow, Lincoln*)
- #31. Pea, Snap (*Sugar Ann, Sugar Sprint*)

- #32. Pea, Snow (*Dwarf Grey Sugar, Oregon Sugar Pod 2*)
- #33. Pumpkin, Jack-o'-lantern (*Magic Lantern, Racer Plus*)
- #34. Radish, Red (*Cherry Belle, Rover*)
- #35. Rutabaga (*American Purple Top, Laurentian*)
- #36. Spinach, Savoy Leaf (*Donkey, Tye*)
- #37. Squash, Scallop (*Sunburst, Y-Star*)
- #38. Squash, Zucchini (*Sp. Beauty, Sp. Perfection*)
- #39. Watermelon, Red (*Blacktail Mtn., Swt. Dakota Rose*)
- #40. Watermelon, Red Large (*Legacy, Verona*)
- #41. Watermelon, Yellow (*Early Moonbeam, Swt. Siberian*)

HERBS

- #42. Basil, Italian (*Genovese, Italian Large Leaf*)
- #43. Basil, Lemon (*Mrs. Burns, Sweet Dani*)
- #44. Basil, Purple (*Amethyst Improved, Red Rubin*)
- #45. Cilantro/Coriander (*Caribe, Santo*)
- #46. Dill (*Banquet, Dukat*)
- #47. Parsley (*Forest Green, Giant of Italy*)

CUT FLOWERS

- #48. Cosmos, Mix (*Double Click, Sensation*)
- #49. Cosmos, White (*Sensation Purity, Sonata White*)
- #50. Cosmos, Sulphur (*Bright Lights, Polidor*)
- #51. Sunflower, Orange Cutting (*Pro Cut Orange, Zohar*)
- #52. Sweet Pea, Tall (*Mammoth Choice, Royal Mix*)
- #53. Zinnia, Cactus (*Burpeeanna Giants, Giant Cactus*)
- #54. Zinnia, Cutting (*Cut & Come Again, Oklahoma*)
- #55. Zinnia, Giant Classic (*Giant Dahlia, State Fair*)
- #56. Zinnia, Giant Lime (*Benary's Giant Lime, Queen Lime*)
- #57. Zinnia, Giant Orange (*Benary's Giant Orange, Inca*)
- #58. Zinnia, Giant Scarlet (*G. Dahlia Scarlet, Scarlet Flame*)

PLEASE COMPLETE

Name _____
Address _____

E-mail _____
Phone (optional) _____

PLEDGE

*I promise to manage my trials in a responsible manner.
I will grow the seeds and submit my results to NDSU-
Extension promptly.*

Signature

Please write how you like your name(s) written on your certificate of recognition:

FEES: Please pay \$1.00 per trial (each trial has two varieties). Households may participate in up to five trials. Trials managed by children are free (please complete next page). **Whether paying for trials or not, please add \$2.50 for postage/handling.** Thus, for an order of five trials with no children participating, the total fee would be \$7.50. If one child was managing a trial, the seed for that trial would be free and the total fee would be \$6.50 (please complete the Child Order Form, too in this case). Checks should be addressed to "NDSU" and mailed to NDSU Extension; Attn: Variety Trials; 3715 East Bismarck Expy; Bismarck, ND 58501. For faster service, you may order online at <www.dakotagardener.com>.

Order Form - Children

Each child may check (X) one trial to be responsible for. Seed supplies are limited. Place an "A" next to alternate trials you would grow in case your first choice is not available. "A1" may signify your first alternate and "A2" your second alternate.

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- #57. Zinnia, Giant Orange (*Benary's Giant Orange, Inca*)
- #58. Zinnia, Giant Scarlet (*G. Dahlia Scarlet, Scarlet Flame*)

PLEASE COMPLETE

Name (child) _____ Age _____

Name (child) _____ Age _____

Name (child) _____ Age _____

Name (parent/guardian) _____

Address _____

E-mail or phone _____

(More names may be added, if needed)

PLEDGE

*I promise to manage my trials in a responsible manner.
I will grow the seeds and submit my results to NDSU-
Extension promptly.*

Signature(s) of children

Please write how you like your name(s) written on your certificate of recognition:

Example of Completed Evaluation Form

Muskmelon Variety Trial

2012 Trial #19 (Example)

Gardener Name: Ima Gardener

County: Golden Valley

Date Sown: May 30

Which variety?	Apollo	Zeus	Same	Comments
Germinated best?		X		Both had near 100% germination, but Zeus seedlings showed more vigor
Had healthier plants?		X		Apollo vines turned gray in fall
Produced the first ripe melons?	X			Three days earlier than Zeus
Produced higher yields?		X		Zeus produced 10 good melons; Apollo produced only 6
Had more attractive melons?		X		Zeus had larger fruits and brighter orange flesh
Tasted better?		X		Zeus was heavenly; Apollo was not quite as sweet

Overall Performance Rating	Apollo	Zeus
Rate each variety on a scale of 1 to 10, with 1 = poor and 5 = good and 10 = excellent. Don't give both a "10". Be very critical!	5	9

Preference	
Circle the variety you prefer. Don't circle both—make a choice!	Apollo Zeus
Please state the reason(s) for your preference: <i>Zeus was outstanding. Good yields of large, sweet fruits. The vines looked healthy all summer. Apollo ripened early, but the vines were weak and the melons tasted bland.</i>	

Recommendation
Circle the varieties you recommend for North Dakota gardeners: Apollo Zeus Both Neither

Please write any additional comments on back. They are very helpful!

Send to Tom Kalb, NDSU-Extension, 3715 East Bismarck Expressway, Bismarck, ND 58501.
E-mail: <tom.kalb@ndsu.edu>. Thanks for your participation!

Updated January 1, 2012

NDSU EXTENSION
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