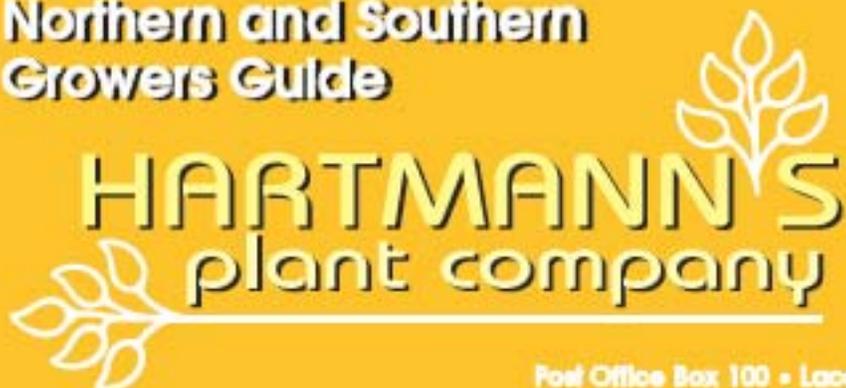


Wholesale
Northern and Southern
Growers Guide



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2009

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**To Order Quantities
Less Than 100-Double The
100 Lot Price**



DISCOUNT PERCENTAGES

\$1,000.00	-	\$2,500.00	3% Discount
\$2,501.00	-	\$4,500.00	5% Discount
\$4,501.00	-	\$9,000.00	7% Discount
\$9,001.00	-	\$15,000.00	10% Discount
\$15,000.00	+		15% Discount

OUR BRAMBLES

We have selected the best of red, purple, golden yellow and black raspberry cultivars for Northern and Southern areas. From our practical experience and that of other growers, we have found that the cultivars we grow are the best. Each cultivar has its own distinctive characteristics; colors, flavor, growing habits and fruiting times. This diversity will help your planting prosper season after season.

FALL BEARING/PRIMOCANE-FRUITING YELLOW RASPBERRY

ANNE RASPBERRY — RB-W-3000 A large fruited plant with firm fruit. Fruits are produced in the top quarter of the canes so it is easily harvested. Plant Patent #10411. Zones 3a-9b

FALL BEARING RASPBERRY CULTIVARS (EVERBEARING)

AUTUMN BRITTEN — RB-W-4200. Ripens 3-4 weeks earlier than Heritage, bearing superior crops over most other fall bearing cultivars. Deep red fruits are solid and very tasty. Grows successfully in Zones 3a-11.

CAROLINE — RB-W-4000. The tastiest of all raspberries! Dazzling red fruits are medium to large and are firm for the fresh market. First fruits ripen between Autumn Britten and Heritage. Grows successfully in Zones 3a-11.

POLANA — RB-W-4100. A very productive and vigorous growing plant, producing fruit in the latter part of July extending until frost. Fruits are medium in size with good flavor and high yields. Support wires and trellising are not normally needed with this shorter-statured stronger-caned plant. Grows successfully in Zones 3a-10.

AUTUMN BLISS (PATENT #6597) — RB-W-0200. This very early fall bearing red raspberry is consistently two weeks ahead of Heritage. Berries are large and firm with superior yields. With superb flavor, it is an excellent shipper and good processor. Autumn Bliss is mosaic resistant and has an extended harvest season. Hardiness Zones 3a-11.

HERITAGE 1969, NYFTA, Geneva, NY. ('Milton'. x 'Cuthbert') x 'Durham' — RB-W-1000. The canes of this red everbearer are 5'-6' tall, very vigorous, hardy, erect, sturdy and suckers prolifically. The fruit is medium in size, red, attractive, very firm for good shipping, of very good flavor and excellent quality. By far the number one fall variety. Matures late August, early September. Hardiness Zones 3a-10.

SUMMIT — RB-W-1600. A strong growing cultivar adaptable to warm and colder climates. The growth is vigorous and each branch is strong and will support fruit with a simple trellis. The fruit quality is good so it is mainly used for fresh market. Machine harvest can be done. The season is early, about August 15th in South Haven, Michigan. Plants have good resistance to root rot. Hardiness Zones 5a-11.

SUMMER BEARING RED RASPBERRY CULTIVARS

Summer Bearing/Florican-Fruiting of Red Raspberry

CASCADE DELIGHT — RB-W-4300. Ripens late in the season bearing exceptionally large eye-catching fruit. Yields are consistently high. Fruit flavor is fine and are firm for marketing fresh. Plants are resistant to Phytophyther root rot. Cascade Delight is a good choice for greenhouse growing of fruit production. Grows successfully in Zones 6b-9b.

TULAMEEN — RB-W-4400. Tulameen is a late ripening cultivar that has been widely planted throughout the world. Large vivid red fruit is the plant's main attraction. Fruits are of a very fine flavor and good quality for fruit markets. Grown successfully in Zones 6b-9b.

ENCORE — RB-W-2400. Selected as a late season cultivar with high yields. Fruiting canes are strong, nearly spineless and vigorous. Large fruits are of excellent quality with good firmness and high flavor. Recommended for fresh markets and U-Pick growers. Hardiness Zones 4b-8b.

PRELUDE — RB-W-2500. Tested in Geneva, New York. This new cultivar is a vigorous grower and produces average high quality fruits. Yields are very consistent and compared equal to other summer bearing cultivars. Fruits ripen early, about July 1 in Zone 5. Fall crops can be realized in certain growing regions. Highly recommended for U-Pick and commercial producers. Hardiness Zones 4b-7b

CANBY — RB-W-0400. The earliest red summer berry we grow. Production will begin July 4th in Southwest Michigan. Fruit is of good quality and used extensively for fresh markets. Zones 4a-8a.

BOYNE — RB-W-0300. An extremely cold hardy variety. Bears fruits during mid-season. Fruit is firm and medium in size with a sweet flavor. Plants are of shorter stature than others but bear good yields. Zones 4b-8b.

PURPLE RASPBERRY CULTIVARS

ROYALTY (U.S. Plant Patent #5405) 1982, NYFTA at Geneva, NY ('Cumberland' x 'Newburgh') x ('Newburgh' x 'Indian Summer'). — RB-W-1500. This cultivar is extraordinary in that it has several picking stages and flavors. This unique purple raspberry has large berries, sweet at the red stage with the traditional red raspberry flavor, later at its purple stage having a stronger, sweet purple raspberry flavor, and then the over-ripe stage has a flavor and color close to that of the black raspberry. This raspberry has a strong raspberry aroma which is savored in processing. The plant is vigorous, very productive. Usually out produces reds approximately 25%. Hardiness Zones 4a-8b.

BLACK RASPBERRY CULTIVARS

JEWELL - 1973, NYFTA, Geneva, NY ('Bristol' x 'Dundee') x 'Dundee' — RB-W-1800. Being somewhat resistant to most raspberry diseases makes this plant very desirable. It is a vigorous grower with high yields. It has glossy-black, high quality, early ripening, large berries. Hardiness Zones 4a-8b.

HAUT — RB-W-2800. Developed at the University of Maryland for growers that require early season Blacks. Production is good and fruit is of fine quality. Zones 5-8.

BLACKBERRY CULTIVARS

APACHE - 1999 University of Arkansas — BK-W-0100. A thornless, erect-growing, high quality, highly productive blackberry. Fruits are twice as large as some other erect blackberry cultivars, weighing 9.5 grams each, on average. Date of harvest is 15 days later than Arapaho and 5 days later than Navaho. Fruit quality is excellent and, due to excellent fertility of the flowers, the fruits form perfectly. Plants are resistant to anthracnose and some other diseases. Orange rust has not affected any plants in testing. This is an excellent commercial plant. Plants will need a minimum of 300 hours of chilling. Grow in Zones 5b-9b.

ARAPAHO — BK-W-0200. The earliest maturing, erect, thornless blackberry. Approximately 10 days earlier than Navaho. The fruit is medium in size and the bush is medium in yield, but very consistent. Arapaho lends itself to mechanical harvest due to its even ripening and upright growth habit. Hardiness Zones 5a-9b.

CHESTER — BK-W-0400. Most winter hardy of all the thornless cultivars. Berries are firm, color does not leak or fade in sunny weather. Will produce well in the deep South. Vine is resistant to cane blight. Ripens mid-August in Michigan. Hardiness Zones 5b-9b

KIOWA - 1996 University of Arkansas — BK-W-0700. An erect, thorny blackberry. The fruit is extremely large, being 10 to 13 grams per berry. The fruits are of the best quality and have the best firmness of all varieties. Harvest will last for six weeks, which is three weeks longer than other cultivars, so machine harvest is not recommended. Kiowa is recommended for U-pick, fresh market and home gardens, due to the long harvest period. Hardiness Zones 6a-9b.

NAVAHO — BK-W-0800. (Plant Patent #6679) The world's first erect-growing, thornless blackberry. The berries ripen in Michigan about the first of August lasting one month. Since the plant is an erect-grower, no trellises are needed. The plants and berries of Navaho are superior to all other thornless varieties. Harvesting is done by hand. It is a very good commercial, U-Pick and home garden variety. Hardiness Zones 6a-9b.

TRIPLE CROWN - 1998 Beltsville, MD — BK-W-0900. A trailing, thornless blackberry. Yields are consistently high and plants are vigorous. Fruit size is medium and the fruit quality is firm, which is good for fresh market. The foliage is dense, so the ripe fruit does not suffer from sun scald like other cultivars. Triple Crown can be grown wherever Chester is grown successfully. Hardiness Zones 5b-9b.

Base Prices

Bare root, 4" containers

FALL (EVERBEARING) RED RASPBERRIES

Autumn Britten	\$1.15 each
Caroline	1.15 each
Polana	1.15 each
Autumn Bliss	1.15 each
Heritage	1.15 each
Summit	1.15 each

SUMMER FRUITING RED RASPBERRIES

Cascade Delight	1.15 each
Tulameen	1.15 each
Boyne	1.15 each
Canby	1.15 each
Encore	1.15 each
Prelude	1.15 each

PURPLE RASPBERRIES

Royalty	1.60 each
---------	-----------

BLACK RASPBERRIES

Haut	1.60 each
Jewell	1.60 each

GOLDEN RASPBERRIES

Anne	1.05 each
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BLACKBERRIES

	Bare root	2-1/2" containers
Apache	2.65 each	1.45 each
Arapaho	2.65 each	1.45 each
Chester	2.65 each	1.45 each
Kiowa	2.65 each	1.45 each
Navaho	2.65 each	1.45 each
Triple Crown	2.65 each	1.45 each

Mother plants are produced from virus tested mother stock from tissue culture. We have 2 sizes of the plants available. Size 1 is a field grown 1 year plant. Size 2 is a 1 year plant grown in a 4" pot.

The field grown plants can be planted from November through mid June. The 4" pot plants can be planted anytime of the year depending on their availability. Since many growers and nurseries prefer fall planting, the 4" pots are available.

RASPBERRY RESOURCE CHART

NAME	Flavor 1. Excellent 5. Acceptable	Season of Ripening 1. Early 8. Late	Process Market	Fresh Market	Machine Harvest	Size of Fruit	Hardiness Zone
FALL BEARING YELLOW RASPBERRY							
Anne	2	1	YES	YES	YES	LARGE	3a - 9b
THORNLESS BLACKBERRY CULTIVARS							
Chester	1	3	YES	YES	NO	MED-LARGE	5b - 9b
Arapaho	2	1	YES	YES	YES	MEDIUM	5a - 9b
Apache	1	3	YES	YES	NO	LARGE	5b - 9b
Navaho	1	1	YES	YES	NO	MED-LARGE	6a - 9b
Triple Crown	1	2	YES	YES	NO	LARGE	5b - 9b
THORNY BLACKBERRY CULTIVARS							
Kiowa	1	3	YES	YES	NO	LARGE	6a - 9b

RASPBERRY RESOURCE CHART

NAME	Flavor 1. Excellent 5. Acceptable	Season of Ripening 1. Early 8. Late	Process Market	Fresh Market	Machine Harvest	Size of Fruit	Hardiness Zone
FALL BEARING RED RASPBERRY							
Autumn Britten	1	1	YES	YES	YES	LARGE	3a - 11
Caroline	1	2	YES	YES	YES	LARGE	3a - 11
Polana	1	2	YES	YES	YES	LARGE	3a - 10
Autumn Bliss	1	1	YES	YES	YES	LARGE	3a - 11
Heritage	3	4	YES	YES	YES	MED-LARGE	3a - 10
Summit	2	1	YES	YES	YES	MEDIUM	5a - 11
SUMMER BEARING RED RASPBERRY							
Cascade Delight	1	8	YES	YES	YES	LARGE	6b-9b
Tulamkeen	1	8	YES	YES	YES	LARGE	6b-9b
Prelude	2	3	YES	YES	NO	MEDIUM	4b - 7b
Boyne	2	2	YES	YES	NO	MEDIUM	4b - 8b
Canby	1	1	YES	YES	YES	MED-LARGE	4a - 8a
Nova	2	3	YES	YES	YES	MED-LARGE	4a - 8b
Encore	2	5	YES	YES	YES	EXTRA LARGE	4b - 8b
SUMMER BEARING PURPLE RASPBERRY							
Royalty	3	7	YES	YES	YES	EXTRA LARGE	4a - 8b
SUMMER BEARING BLACK RASPBERRY							
Jewell	1	2	YES	YES	YES	LARGE	4a - 8b
Haut	1	1	YES	YES	YES	MED-LARGE	5a - 8b

THE AMERICAN CRANBERRY

Vaccinium macrocarpon

The American Cranberry is one of the three native fruiting plants in the United States. The fruits of the plant have been consumed for many years by Americans due to its unique flavor and high vitamin content.

SPECIAL PLANT FOR LANDSCAPERS

Most of us think of the lowbush cranberry as being a plant just for bogs, but we've been growing our cranberries on upland soil and they are prospering very well. The plants reach a mature height of 8"-10", spreading outward to form a thick mat of vines and delicate leaves. We are offering a 4" container and a one gallon container this year for native landscapers. Hardy from Zones 4-8.

The following cultivars are available:

BEN LEAR BU-W-1000. Wild clone from Wisconsin. Early ripening, large to medium deep red fruit and good production.

STEVENS BU-W-0700. This cultivar is the leading cultivar being planted in the Northwest and seems to be one of many planted in Wisconsin and Massachusetts.

PILGRIM BU-W-0600. The brightest red and largest fruited variety. Many of the fruits are larger than a dookie and easy to harvest. The berries ripen later in the season, after most varieties are harvested. The plants are vigorous and are attractive bushy ground covers.

WSU BU-W-0800. A bright red and large fruiting variety. The fruits have a long storage life after harvesting. Plants are vigorous and have high yields.

	Base Prices
1" plug - Tissue Culture Liner	\$.70
2.5" container	\$1.50
4" container	\$2.20
#1 container	\$3.80

SOLD OUT UNTIL FALL 2009

ARCTIC KIWIS

The Arctic Kiwi is THE FRUIT OF THE FUTURE. Fruits are now being marketed and sold in produce stores. It has been accepted in the marketplace and the demand will be growing in the very near future for the small delicious fruits.

These plants have been tested in New Hampshire and upper New York State where they survived 25°F below zero temperatures! Kiwi plants are attractive growers that require a sunny location, preferably with wind protection. They can be grown in different types of soils; however, the soil must be well drained. The vines take very little maintenance—just pruning and support to hold about 100 pounds of fruit for a mature plant. Plant 10 to 20 feet apart.

Kiwi plants are very pretty when used to cover a wall or fence or used in landscape design. The fruit is very high in Vitamin C and its use in recipes is endless. The hardy Kiwis ripen in mid to late September.

FEMALE

ANNA

KW-W-0100. (Ananasnaya) Fruit size is average to above average in size. Usually clustered like grapes. The flesh is light green, accompanied by a pineapple aroma and taste. Anna is known as a hybrid *A. arguta*, x *A. kolomikta*. USDA Zones 5a-7b.

ISSAI

KW-W-0700. Its interesting name means “one year” when translated from Japanese to English. It will bear long, sweet fruit (1-3/4" in diameter). Hardiness is a problem with this cultivar. It does best where temperatures do not fluctuate drastically. No male is needed for pollination. Without a male, the fruit is seedless; however, with a male the plants will produce more fruit. It is recommended to plant with a male Meader Kiwi for larger fruits. Zones 7a-8b.

GENEVA

KW-W-0600. A vigorous *A. Arguta* female vine tested at Geneva, New York Experiment Station. It seems very hardy and will produce delicious, smooth-skinned, medium-sized fruit. Should be pollinated with male Meader Kiwi. Zones 5a-7b.

CORDIFOLIA - KW-W-0400. The fruit is very sweet and are rounded. This low chill variety is very productive and prolific in growth. Fruits were rated highest of all other Kiwi cultivars. USDA Zones 5a-9b.

MSU

KW-W-1000. This Kiwi is of good size and has a long shape up to 1-3/4" but narrow. Flavor is very fine and enjoyed by Kiwi growers and marketers. USDA Zones 5a-7b.

KEN'S RED

KW-W-0800. Fruits turn a beautiful red when ripe. Flavor of the red fruits are mild, but very sweet. This fruit is attractive in produce markets and once the customers eat these, the fruits will sell themselves. This is a low chill variety. USDA Zones 6a-9b.

119-40B KW-W-1600. This is a Kiwi that is supposed to be self-fertile. Recommended for testing purposes only. It is best to have a pollinating male for a larger crop. USDA Zones 5a-7b.

RED BEAUTY - KW-W-1100. A female productive vine of A. Kolomikta. The foliage produces a reddish cast and is attractive in the summer but becomes showier when autumn approaches. Plants are hardy to -40°F and productive, producing tasty fruit the size of a raisin. The pollinator to use for Red Beauty is Arctic Beauty. USDA Zones 3a-7b.

MALE
74-46

KW-W-1300. An A. Arguta male vine that is used to pollinate the 74-55 female. USDA Zones 5b-9b.

ARCTIC BEAUTY - KW-W-0200. An ornamental vine of A. Kolomikta. The foliage is variegated when the plant becomes a mature vine. This is a male plant producing flowers but no fruit. Plants will arrive with no variegated leaves, but as they mature, the foliage will start to change colors. This Kiwi vine is hardy to -40°F. USDA Zones 3a-7b.

MEADER KW-W-0900. An A. Arguta male vine for pollinating with Geneva varieties and Issai. USDA Zones 5a-7b.

74-32 KW-W-1200. An early flowering male. Use for females 74-49, Dunbarton Oaks, #5, Ken's Red and Cordifolia. USDA Zones 5b-7b.

	Base Prices
2-1/2" container	\$1.45
#1 container	\$4.40



ARCTIC PINK ROSEMARY
Andromeda glaucophylla
GC-W-0500

Create a dense mass planting or a specimen plant with this native evergreen. The leaves are dark green on the top and silvery gray underneath, a beautiful contrast of year round color.

Tiny pink flowers that cover the plants appear in May, transforming into small shining light brown fruits that ripen in autumn. They remain on the plant until consumed by wildlife.

Plants will grow to 12 inches high with spreading branches that will lie on top of the soil and create roots to form a larger collection of plants.

Will grow successfully in Zones 3-7.

	Base Prices
2-1/2" container	\$1.50
#1 container	\$3.95

BEARBERRY

Arctostaphylos uva-ursi

An ericaceous trailing evergreen shrub hardy from USDA Zones 3 - 7. This ground cover will trail over rocky and sandy hillsides and slopes.

It prefers well drained and slightly acidic soils. Leaves are small and oval shaped. Bell shaped flowers are borne on 2 year growth.

Round pea size fruit ripen in the autumn and are bright red making a spectacular show through the entire autumn and winter seasons.

1. **MASSACHUSETTS** — GC-W-1100. The leaves of this cultivar are smaller than most other bearberries. The size of a mature leaf is 1/2 inch long and 1/4 inch wide. The cultivar resists diseases and is a good grower. Fruits are tiny and red. White flowers are abundant in the spring.
2. **MICHIGAN BEARBERRY** — GC-W-1300. Michigan is the bearberry state. The clone was selected by Dan Hartmann in Luce County. The plant was selected for its low prostrate form, large leaves of deep green in the summer and bronze in the winter.

Base Prices

2-1/2" container	\$1.50
4" container	\$2.50
#1 container	\$3.95

BLACK HUCKLEBERRY

Gaylussacia baccata

The black huckleberry is a deciduous, stoloniferous and hardy ground cover plant. The summer foliage is olive green in color and an intense red in the autumn and long lasting thru most of the winter months. The plants are drought resistant and grow best in rocky or sandy soils. The dense stem growth of the plants make a good hideout for birds and small animals, and the small black fruits are nutritious treats for them. The fruits of all the huckleberries are small, and lack good flavor. We have two clones of the huckleberry available this year.

1. **MICHIGAN HUCKLEBERRY**- BU-W-4100
Found locally by Hartmann's, in Allegan County Michigan, growing amongst the lowbush blueberry. The flowers are bell shaped and are pinkish in color. The clone is very ornamental in habit and exhibits a rich red fall color. The plants grow to a height of 12-15 inches and have good stoloniferous vigor. The black fruits are fairly abundant, on the plants and considered to be consumed by animals. Plants are hardy to zone 4.
2. **WISCONSIN HUCKLEBERRY** - BU-W-4000
Found in Northern Wisconsin. The plants grow in colonies several feet in width and the plants are 15 - 24 inches in height. In the mid part of spring pink bell shaped flowers encompass the plants and the tiny black seedy berries do have some sweetness, although they are seedy. The fall color is bright red, exhibiting a beautiful ornamental display. The plants are hardy to zone 4.

Base Prices

4" container	\$2.40
#1 container	\$4.45

DEEP BLUE CLEMATIS

Clematis heracleifolia 'davidiana' • GC-W-0400

Introducing a Shrub Clematis that needs no trellis!

This new cultivar, 'davidiana', will produce clusters of deep blue, highly scented flowers in late August through September. Butterflies flock to the spicy aroma of the flowers.

Flowering occurs late in the season when most flowering plants are finished blooming. The two to three foot shrub will create an outstanding display of blue flowers against the background of deep green colossal foliage.

Grow the plants in full sun or partial shade.

USDA Zones 3-8

	Base Price
<hr/> 2-1/2" container	<hr/> \$1.40

BUNCHBERRY

Cornus canadensis

GC-W-1500 Bunchberry is a fast spreading ground cover that grows 4 inches to 6 inches tall with erect stems. The flowers are smaller than most dogwoods averaging 1/2 inch to 1 inch across and are greenish-white or purplish in the center. The bracts are creamy white and in the autumn, scarlet red berries appear. Foliage in the summer is dark green with stripes of burgundy and in the fall the foliage turns to a burgundy color and fruits are brilliant red. The foliage is long-lasting, and is an easy plant to grow. USDA Zones 3-8.

	Base Price
<hr/> 4" container	<hr/> \$3.00

BUSH CHERRIES

Origin - Elwyn Meader, Durham, New Hampshire
Prunus japonica x *P.jacquemontii*

Bush Cherries were hybridized and developed by the late Elwyn Meader of Durham, New Hampshire. Dr. Meader wanted a Montmorency type cherry that would ripen late in the summer season to escape spring frosts for the growers. Bird damage was another reason for late ripening cherries, because birds do not normally consume red fruits in the late summer. By having ripe cherries late in the season another market is created for the grower. Sales of cherries now have two seasons.

JOY BUSH CHERRY - BU-W-0100

1. Mature height is 4 feet high and wide.
2. Ripening of the fruits are mid to late September.
3. Fruits are susceptible to brown rot because of cool temperatures and cloudy weather conditions during the ripening time.
4. Yields have not been tested, but 8 to 10 pounds of fruit per plant can be harvested.
5. Size of the cherries are the same as the average Montmorency tart cherry.
6. The plant is adaptable to over the row mechanical harvest, much like growers use for Raspberry, Currant and Blueberry machinery.
7. Cross pollination of this plant is needed to give the yield. Jan is a good pollinator.

JAN BUSH CHERRY - BU-W-0300

1. Mature height is 4 feet high and wide.
2. Ripening of the fruits are mid August to early September.
3. Fruits are firm and good quality for fresh or process.
4. Yields are the same as Joy, 8 to 10 pounds per plant.
5. Size is same as other tart cherries.
6. The plant is adaptable to mechanical harvesting methods.
7. Cross pollination with the Joy cultivar will enhance yields and size of the fruits.

JOEL BUSH CHERRY - BU-W-0200

1. Mature height is 4 feet high and wide.
2. Ripening of the fruits are early and mid September.
3. Fruits are good quality.
4. Yields have been consistently high, 10 pounds per plant.
5. Size is same as other tart cherries.
6. The plant is adaptable to mechanical harvesting methods.
7. Cross pollination with the Joy cultivar will enhance yields and size of the fruits.

Base Price

2-1/2" container

\$1.65

CHRISTMAS WINTERGREEN

Gaultheria procumbens

GC-W-0800 Wintergreen is a low-growing ground cover that spreads with medium growth once established. White bell-shaped flowers appear in the summer and bright red edible fruits will ripen in late fall, lasting until June of the following year. The fruit produces the original wintergreen flavoring. The plant makes a very attractive evergreen ground cover all year long. Plant in full sun or shade in temperatures from USDA Zones 3a-7a.

Base Prices

4" container

\$2.80

#1 container

\$4.40

DAPHNES

Daphnes are low to medium growing woody shrubs. They are well known for their sweet aromatic scented flowers and outstanding foliage. The plants grow fast and will adapt to most climates. We are offering 2 cultivars for this season.

'**CAROL MACKIE**' - BU-W-2600. *Daphne burwoodii*. Light pink flowers engulf this multi-stemmed Daphne. The sweet aromatic flowers of this Carol Mackie attract anyone passing by, especially butterflies.

The foliage is variegated, light green with creamy white stripes along the slender 1/4 inch wide by 1 inch long leaves.

This semi-evergreen foliage will be attractive until the following spring in milder climates. Landscape with this plant near an entrance or a window so the fragrance can be enjoyed, while the plants are in flower.

The plant will reflower throughout the summer. At maturity this plant will be about 3 feet high and 5 feet wide.

'**SOMERSET**' — BU-W-2700. *Daphne burkwoodii*. This fragrant Daphne has pinkish white flowers that appear in May. Somerset has densely formed branches and closely spaced leaves. The bluish green foliage is semi-evergreen and will be attractive until the following spring. The height of the plant will be 3 feet tall and 5 feet wide.

The plant will rebloom periodically throughout the summer to make a wonderful accent to any landscaped area or is attractive if it stands alone.

Will grow successfully in Zones 4-8.

	Base Prices
2-1/2" container	\$1.85
#1 container	\$4.40
#2 container	\$6.90

DAWN REDWOOD

Metasequoia glyptostroboides

TR-W-0100. A graceful deciduous conifer that resembles the California Coast Redwood. The tree was thought to be extinct until living specimens were found in the isolated valley in central China in 1948. Dawn Redwood adapts to most climates USDA Zones 4b-6a. The trees are fast growing and perform well in any landscape or mass planting. These rare trees are available as field grown bare root quality plants.

	Base Prices
#1 container	\$4.60
#2 container	\$6.50

DECIDUOUS HOLLY

Ilex verticillata

This plant is one of the most outstanding shrubs in the months of October through January. Its bright red berries sparkle during the most dreary days of winter. The bushes make a well formed branchy shrub that is 3 feet to 12 feet tall, depending upon the variety. In the spring, small flowers will appear with foliage which is a light green to glossy green appearance remaining on the plant until the berries change from green to bright red in October. When the berries appear, branches of them can be cut for wreath or house decorations or just left on the plant to enjoy nature's beauty.

The Deciduous Holly is a native plant thriving from Canada to Florida. The plant will adapt to most soils with a pH of 5.0 to 6.5. They are hardy to USDA Zones 3-8.

'**LATE MALE**' — BU-W-2000. A male that will pollinate Oistewyk. The cultivar will grow to 8 feet tall.

'**JIM DANDY**' — BU-W-1600. Slow growing dwarf male.

'**RED SPRITE**' — BU-W-1800. 2 feet - 4 feet at maturity. Most dwarfed plant and heaviest fruiting branches with the largest fruit. Fruits are 1/2" in diameter produced on short stems. One of the most outstanding deciduous hollies of all.

'**OISTEWYK**' — BU-W-1700. This new *Ilex* cultivar was selected in the Netherlands in the village of Oistewyk. The flowering is late June but berries start ripening on time for a spectacular autumn color. The berries on Oistewyk have retained their quality and color longer than other cultivars that we have tested, making the plant outstanding in any landscape. Mature height of plant is 6 feet.

'**WINTER RED**' — BU-W-1500. The most common variety used in landscapes and for cut stems by florists. The bright red fruits are small with large clusters of them covering every stem. The fruits are long lasting and will adhere on the stems into January when bluebirds consume them.

'**WINTER PEARL**' — BU-W-1900. Our selected variety from the forests of Lacota, Michigan. Fruiting is consistent every year with bright red fruits surrounding each stem. The fruits will remain on the stems until January.

	Base Prices
2-1/2" container	\$1.20
4" container	\$2.20
#1 container	\$4.15
#2 container	\$7.20
#3 container	\$10.25

ELDERBERRIES

Elderberries are great ornamental shrubs. Creamy white cluster of flowers during the mid-summer, followed by large racemes of black fruit with the foliage eventually changing from deep green to burgundy in the autumn.

Nutraceuticals in the fruits are available in large quantities. The natural chemicals are known to improve the immune system to help fight viruses, not only in humans but birds that are susceptible to certain viruses.

USDA Zone 4a-8a

WILD ELDERBERRY

Sambucus canadensis

BU-W-4600. This species is a native form of Elderberry. Clusters of fruits will vary from 3 to 6 inches in diameter containing numerous amounts of small fruits. Plants growth varies 8 to 10 feet.

JOHNS ELDERBERRY

BU-W-1400. Johns is a named cultivar known for its larger fruits with clusters a minimum of 5 inches in diameter. Plants are vigorous, growing 10 feet tall.

SAMBUSCUS NIGRUM

Sampo – BU-W-1200. A new high fruiting cultivar. Testing of the cultivar should be done prior to planting extensively.

All the *Sambucus nigrum* cultivars were selected from plants selected in Denmark at the Statens Plantea V/S Forsog.

	Base Prices
2.5" deep pot	\$2.40
#2 container	\$6.20

FIGS

Ficus carica

Figs are easy to grow and the fruits are delicious fresh, dried or cooked. With our two variety selections the 8 feet deciduous shrubs can be grown successfully in almost any northern climate with moderate protection from cold weather. The large green leaves and artwork of branches will be outstanding in the garden or landscape.

CHICAGO FRIENDLY FIG – BU-W-0400. This is one of the most prolific figs to grow in the areas of the northern U.S. The fall fruits are born on the new canes that grow during the summer, a plant with 4 new stem growths can produce up to 150 purplish brown figs. The figs are of excellent flavor. Stem hardy to 10 degrees F (-20 degrees C), root hardy to -20 degrees F (-28° C).

	Base Prices
2½" Container	\$1.75
4" Container	\$2.65

SOLD OUT UNTIL FALL 2009

GROUND COVER RASPBERRY™

Rubus x stellarcticus

A low growing herbaceous groundcover. A Raspberry plant without thorns! The plants grow to be a mature height of five inches tall and spread by rhizomes, making a thick mat of bright green trifoliate leaves.

In late spring one inch pinkish lavender flowers appear and the red fruits will appear in middle of summer. As the fruits ripen the sweet aroma of Raspberries among the planting will attract the raspberry lover to the area to taste the delicious fruits. Fall color is tremendous with foliage showing shades of red and burgundy.

At least two of our four cultivars should be planted to ensure cross pollination. The cultivars Sophia, Anna, Valentina and Beta are available. These cultivars were selected in Sweden by Dr. Gunny Larssen. They were her favorite varieties for flavor, plant vigor, fruit quality and extreme hardiness to Zones 1 - 7

Anna RB-W-2000, Beta RB-W-2100, Valentina RB-W-2300,
Sophia RB-W-2200

	Base Price
2-1/2" container	\$1.45



HONEYBALL BUSH

Cephalanthus occidentalis

BU-W-3600. This plant is an excellent choice for any location. It will grow in full sun or partial shade and will adapt to any soil type, even heavy clay or poorly drained sites.

The dark green glossy foliage is long and narrow, about 4-6 inches in length. Plants grow between 6 and 10 feet tall producing abundant round balls of flowers rich in nectar for butterflies, hummingbirds and insects to consume. As summer turns to fall the flowers turn to a round ball of seeds, which are consumed by waterfowl. The foliage changes to deep burgundy as fall grows to a close and winter arrives. Will grow successfully in Zones 4-8.

	Base Prices
2-1/2" container	\$1.35
4" container	\$2.50

LABRADOR TEA

Ledum groenlandicum

BU-W-4300. A hardy evergreen shrub reaches a mature height of 18-20 inches.

The stem and petite leaves are covered with tiny hairs that protect the plant from evaporation and drying cold weather. The white star shaped flowers form 2-6 inch round clusters that encompass the plant in May.

Plants are found growing wild in damp areas, thickets and on mountainous slopes. The Labrador Tea will tolerate different soil types but prefer slightly acidic soil. A great plant to use in landscaping along with azaleas and other ericaceous plants. Will grow successfully in Zones 3-7.

Base Prices

2-1/2" container	\$1.65
#2 container	\$6.50

LEATHER LEAF

Camaedaphne calyculata

BU-W-3900. This rare shrub needs more attention from landscapers. It is one of the earliest 24-inch shrubs to produce flowers in the spring. The small white bell shaped flowers cover every branch, feeding hungry insects. The light green leathery leaves are one inch long and slender and are evergreen. The leaves are deep green throughout the summer and then brownish tan in the winter months.

Plants thrive in wet conditions and will grow successfully in dryer soil types. Plants are cold hardy and can survive the cold temperatures in Northern Minnesota to the warm climate of Southern Illinois. Zones 3a-7b

Base Prices

2 1/2" container	\$1.50
#1 container	\$4.15

LEMON GRASS

Cymbopogon citratus

HE-W-0300. Lemon Grass is one of the most widely used plants today.

The most valuable use is by the vitamin industry. 90% of all natural vitamin C will be extracted from Lemon Grass. Citronella, which is a mosquito repellent, is extracted from Lemon Grass. Cooking with Lemon Grass gives foods flavor, making them rich in vitamins. Lemon Grass tea, hot or iced, is refreshing and healthy to drink.

Besides being a plant of many uses, the wispy foliage of the plant makes it attractive for pot growing or as an annual ornamental in cold areas. When the smell of lemon is wanted, simply break off a leaf or stem and the scent will freshen the area where the plant is located.

Knowing all these characteristics of Lemon Grass, customers will be ready to purchase the plants from you when they arrive to your sales area.

Lemon Grass is a tropical plant. Protect the plant from temperatures below freezing 32°F (0°C).

Base Prices

Bare Root	\$.90
2 1/2" container	\$1.55

LINGONBERRIES

Vaccinium vitis-idaea (majus)

Lingonberries are relatives to the blueberry and cranberry. The plants are native in most parts of the United States and Canada like other *Vaccinium* species. The plants, as they grow, have many branches sprouting from the base of the plant and are stoloniferous. Plant height is approximately 12"-18" at maturity and spreading to a width of 18". Leaves are 1/4" - 1/2" long, shiny and dark green. Flowers are plentiful and white in color. Green fruits form and as they ripen they turn a bright red. This makes a beautiful ornamental as well as an important nutritious fruit crop. The fruits are used in preserves, fruit dishes and pastries.

Lingonberries have been an important crop for the Scandinavian countries for many years. Fruits are very good nutritionally and are flavorful. It has good potential as a fruit crop in the United States and Canada as well as other parts of the world.

Plant spacing for lingonberries should be 12"-18" in row spacing and 3'-4' aisle spacing. The plants will grow together in the row to make a solid 12"-18" tall hedge. Aisles can be used for walking or equipment. Will grow successfully in Zones 3-9.

The following 4 cultivars are available:

REGAL LINGONBERRY

Origin - University of Wisconsin • BU-W-3200

1. Plant height is 8"-15" at maturity.
2. Plants are vigorous and adapt well to transplanting.
3. Berry size is medium to large.
4. Berry quality is good and firm with good flavor.
5. Plant shows resistance to Phytophthora root disease.
6. Plant propagation is prohibited.

SUSI LINGONBERRY

Origin - Sweden • BU-W-3400

1. Plant height 6"-8" tall and spreading.
2. Plants grow slow but are productive.
3. Berry size is large and firm.
4. Flavor is distinct, juicy and sweetness.
5. Plants seem to be free of disease. Phytophthora root disease has not been a problem with this cultivar.
6. Plant propagation prohibited.

RED PEARL LINGONBERRY

Origin - West Germany • BU-W-3100

1. Plant height is 12"-18" tall and spreading.
2. Plants are very vigorous and production is high: 1 to 1-1/2 pounds per plant.
3. Berry size is medium to large. Flavor is comparable to other Lingonberries with a sweet-acid flavor. Ripening is 1 to 2 weeks earlier than Splendor.
4. Plants seem to be free of diseases that attack other *Vaccinium* species. Red Pearl shows more resistance to Phytophthora root disease than other *Vaccinium* cultivars.

ERNTSEGEN LINGONBERRY

Origin - Germany • BU-W-2900

1. Plant height is 12"-15" tall and spreading.
2. Plants are vigorous and very productive. Tests by Ross Penballigon state that the variety is number one for producing high yields over a 4 year period. Up to 30,000 pounds of fruit harvest per acre.
3. Fruit size is rated as large, 24 grains per berry. The color is deep red.
4. Fruits have good flavor of sweetness with some acid.

SOLD OUT UNTIL FALL 2009

Base Prices

Tissue Culture Liners	\$.85
4" container	\$2.20

Susi add \$.15 per plant for royalty.
Regal add \$.05 per plant for royalty.

MOUNTAIN JADE

Pachistima canbyi • GC-W-0100

This evergreen dwarf spreading shrub is a native to the mountains of North America. It is known for its hardiness to low temperatures and adverse conditions. It is used as a border plant or for mass plantings on sloping areas.

The plants prefer well drained soils and do not mind it dry. The tiny jade green leaves make the plant attractive in any landscape. Flowers are green and appear in the summer but are inconspicuous against the bright green foliage. When fruits ripen they are white. The plants will spread outward to 3 feet or more but will not grow over 12" tall.

Will grow successfully in zones 4-7.

Base Price

4" container	\$2.40
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NORTHERN BAYBERRY

Myrica pensylvanicum

BU-W-3500. This bayberry is a semi-evergreen shrub. It thrives in sand dunes, along rivers, streams and lakes. They will even grow successfully in clay soils. The foliage is grayish green in the summer and purple to burgundy in the fall and winter months. After flowering small fragrant fruits ripen to a gray blue and remain on the plant until mid winter. A hint of the sweet aroma can be noticed when passing by the plant. Using a piece of a leaf makes a wonderful addition to any potpourri. Placing a leaf anywhere in a room will add a pleasant scent to the area. Will grow successfully in Zones 5-8.

Base Prices

2-1/2"	\$1.35
#1 container	\$4.10



NORTHERN SHEEP LAUREL

Kalmia Angustifolia

GC-W-1000. Long lasting flowers envelope each stem of this *Kalmia* species. Blooms are pink in color and are displayed in the late spring through the early parts of summer. Re-blooming of this species is common in the autumn. Plants spread moderately by rhizomes and form a dense 12 to 18 inch high ground cover. Slender grayish green foliage surrounds the stems and is evergreen in milder climates.

Full sun to partial shade is preferred for prolific flowering. The plants will perform well in full shade as well. Plants will grow in a wide variety of soil types from moist boggy areas to drier upland soils.

Zones 4a - 7b

	Base Prices
2 1/2" container	\$1.65
4" container	\$2.60
#1 container	\$4.35

OLIVE TREE

Olea europaea

BU-W-3800. The Olive Tree is one of the oldest living trees on earth. When the trees were first discovered the abundant fruits were consumed for their unusual and characteristic flavor. Today, the olive is still enjoyed for its uniqueness. Fruits were also pressed to obtain oil for lighting, lubrication and cooking. Olive oil is considered one of the healthiest, best oils to use even now for our modern age cooking.

The Olive Tree is a great choice for interior decoration, or as an addition to your outdoor landscape. The evergreen leaves are a deep green with a silvery cast on the underside. Slender branches illuminate out of the main branch of the tree, showing a lofty, airy and refreshing appearance.

We grow the variety *Arbequina*, a self-pollinating and compact variety. This is an excellent choice for the indoors, small gardens and patios.

Hardiness is for Zones 8-11 where temperatures do not fall below 15°F (-9°C).

	Base Prices
2-1/2" container	\$3.60
4" container	\$5.80

PAPAW

Asimina triloba

TR-W-0500. Also called "The Custard Apple" because of its delicious taste of vanilla custard. The tree grows to about 25 feet and the fruit is 3"-6" long. The plant has the characteristics of a tropical tree. Two plants are needed for pollination. The fruit is used in pastries, ice cream, breads, cookies, etc.

Some people call the Papaw the "Miracle Fruit" and attribute their good health to it. The tree is an excellent ornamental and shade tree. Our Papaw plants are easy to grow and plant. Plants are hardy from USDA Zones 4b-7b.

	Base Prices
2-1/2" container	\$1.70
#1 container	\$4.60
#2 container	\$ 7.80

RIBES CULTIVARS

Order now or contact us to show your interest in these European Delights.

- RED CURRANTS make tasty jellies and marmalades.
- GOOSEBERRY makes some of the best pies.
- Read about the following cultivars and contact us for further information.

GOOSEBERRIES

CAPTIVATOR GB-W-0200. The plants are almost thorn-free and resistant to mildew and leaf spots. When the fruits ripen in mid season they have a purplish-pink skin with good flavor. USDA Zones 4-8

BLACK VELVET

GB-W-0100. The Champaign of Gooseberries. The deep purple fruits are the size of seedless grapes. They are very vigorous in growth. Flavor is very good to excellent when vine-ripened. Black Velvet has won awards for its superb qualities. USDA Zones 4-8

HINNONMAKI

RED

GB-W-0400. The plants produce high yields of light purple fruits of good quality and flavor. They show some resistance to mildew. USDA Zones 4-8

JAHNS PRAIRIE GOOSEBERRY

GB-W-0600. Jahns Prairie is a reddish pink gooseberry collected from the wild in Alberta, Canada by Otto L. Jahn. This cold hardy plant produces fruits mid to late season. Yields are high and plants are resistant to mildew and gray mold. Jahns Prairie is a great trouble free cultivar for any growing application.

USDA Zones 3-8 For optimum yields and ease of harvest, Gooseberries are best to be grown on a simple trellis.

RED CURRANTS

RED LAKE

CU-W-0100. This is a popular variety that has been available for years. Fruits are easily harvested. Juice content is high with good flavor. Fruits are very large and deep red. Hardy for Zones 4a-8b.

JONKEER VAN TETS CU-W-0200. This is the best variety for early fruit and it is rated tops for flavor. The growth habit of the bush is spreading, so it is best to be trained on a cordon. This will make an excellent espalier of your choice. Hardy for Zones 4a-8b.

Currants are best grown on a simple trellis for highest yields.

GOOSEBERRIES

BLACK VELVET, HINNONMAKI RED

	Base Prices
2-1/2" container	\$1.75
4" container 6"-15"	\$2.45

RED CURRANTS

RED LAKE, JONKEER VAN TETS

	Base Prices
2-1/2" container	\$1.75
4" container 6"-15"	\$2.45

SHRUB PACHYSANDRA

Pachysandra procumbens

GC-W-0200. An excellent shade loving ground cover.

The large leaves will create a solid mass of green groundcover and will remain evergreen in milder climates.

For a 3 week period in early spring 6 to 12 inch flower spikes appear with creamy to pure white colors. After the flowers are finished stems of new leaves burst out of the ground creating a beautiful ground cover. The leaves are ovate and have cut edges on the end of each leaf, very ornamental and oriental in appearance.

The plant will thrive in shade and partial shade. They are recommended in a mass planting or as rock garden plants as this U. S. native is non evasive.

Will grow successfully in Zones 3-9.

Base Prices

4" container	\$1.60
#1 container	\$3.30

SWEETIE SIXTEEN

Stevia rebaudiana

HE-W-0200. Our Sweetie has been tested and known to produce the highest level of steviolide than any other Stevia plant.

The plant is an annual and in 4 months each plant will yield 1/2 pound of dried leaf. The steviolide is 20 times more powerful than the sweetener sugar, so that means there is an equivalent of 10 pounds of sugar from just one plant.

Don't miss selling the newest plant that will change the way people want to eat, which is healthy. Just think, **NO CALORIES, SAFE FOR DIABETICS AND LESS CAVITIES**. Wouldn't your customers love to shop in your store or catalog?

Sweetie Sixteen is a tropical plant. Protect the plant from temperatures below 32°F (0°C). Will grow successfully in Zone 11.

Base Price

2 1/2" container	\$1.60
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WILD GINGER

Asarum canadense

GC-W-0900. This beautiful and robust ground cover grows only 4 inches tall. The large kidney shaped hairy leaves of the plant have the aroma of spices. The flowers are 3 petaled and their color changes from rich purplish brown to chocolate to dark maroon inside.

The roots can be used for the ginger flavor by using them fresh or by drying. The plants grow best in shade but we've seen them creeping slowly outward into sunlight. Hardy from Zones 3-8.

Base Price

4" container	\$2.25
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WILD PERSIMMON

Diospyros virginiana

TR-W-0200. A U.S. native tree growing 30-80 feet tall. Landscapers plant Persimmon trees for their handsome foliage, edible fruit and graceful pendulous branches. Greenish yellow flowers appear in May and by late summer/early autumn turn pale orange with a red blush. The bark is interesting in appearance, becoming dark brown and gnarly as the tree ages.

Will grow successfully in Zones 4-8.

Base Price

12" bare root

\$2.40



THE WINDBREAK TREE

Salix alba

TR-W-0400. A natural wind break is not only beautiful but it will save land from soil erosion, protect buildings, and gives a home to wildlife. The *Salix alba* will grow 8 feet per year, reaching mature height of 50 feet. The conical shape of the tree will not interfere with growing crops since the tree is only 10 to 15 feet wide.

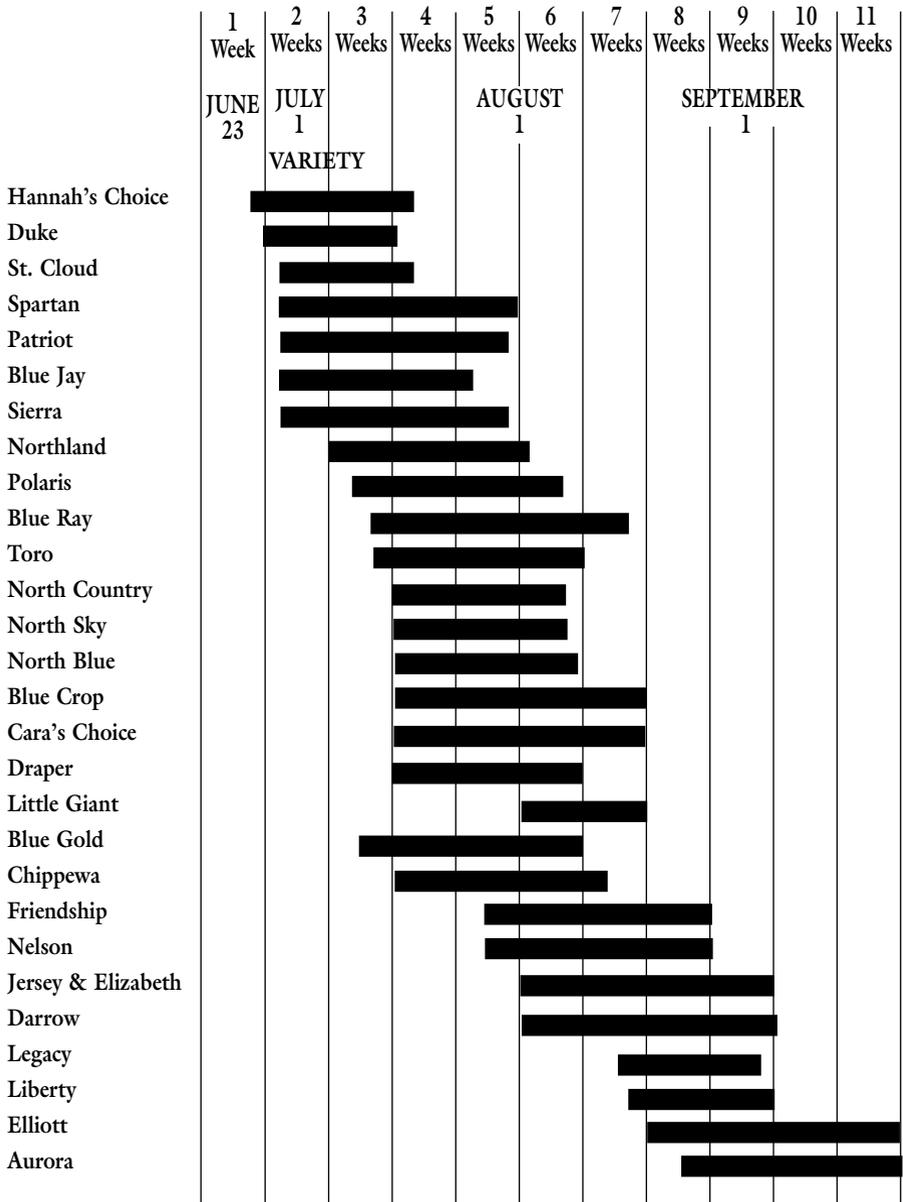
If a windbreak is needed on the edges of your areas, this is the tree to use. Hardy for Zones 3b-10a.

Base Price

2-1/2 x 5" container

\$1.40

Approximate Fruiting Season in South Haven, Michigan USDA Zone 5



HIGH CHILL NORTHERN BLUEBERRIES

HARDINESS ZONE	
SOUTH	NORTH
8	5

ARLEN

North Carolina Agriculture Research Station • BB-W-8400

1. Highbush type cultivar.
2. The plants are of standard height of 5-6 feet at maturity, and very upright, with good vigor. Plants are resistant to stem blight disease (*Botryosphaena dothidia*).
3. Ripening is slightly later than Legacy mid August in Grand Junction, Michigan.
4. Yields in Chatsworth, New Jersey in 2006, seem to be 15 pounds per plant, and have been consistent in prior years, compared to other named cultivars.
5. Fruit size is consistently medium to mostly large and very attractive.
6. Fruits have excellent firmness, and insignificant stem scars. Stems do not adhere to the berry and premature cracking of the fruits is not apparent. The fruits also appear to have resistance to anthracnose fruit rot, (*Colletotrichum* spp.) Fruits exhibit a long shelf life of storage.
7. Harvesting is done by hand, although the plant will lend itself to mechanical harvesting for fresh marketing of the large firm fruits.
8. Marketing should be for the fresh markets, because of the fruits fine flavor, firmness and appearance.
9. The variety is an excellent choice for growers in California and the Pacific Northwest because the plant is 100% adapted for mechanical harvesting of fruit for packaging for the fresh market.

HARDINESS ZONE	
SOUTH	NORTH
8	5

AURORA

Michigan ppaf • BB-W-7000

1. Highbush type cultivar.
2. Height of plants appears to be 4-5 feet tall at maturity and spreading more than upright.
3. Ripening date is September 3 in South Haven, Michigan, approximately 3 days later than Elliott.
4. Yields appear to be good on young plants that are being tested. Harvests could be similar to that of Elliott.
5. Fruit size is medium, approximately 75 berries per cup.
6. Berry quality is firm with a small dry picking scar. Of the first berries to harvest, 50% are light powder blue. As the later fruits ripen, the fruits will change more to a dark blue. The flavor of the early ripening fruits are more acid with little sweetness, as the season progresses fruits have more sweetness with little acid. The fruits are of high quality and are known to store for long periods.
7. Harvesting by hand is recommended, as mechanical harvesting is not yet known due to the plants spreading habit.
8. Markets for fruit would be fresh in most North American growing areas because of the late ripening fruits.
9. The variety will be a good alternative for late ripening fruits. Disease resistant is unknown.

HARDINESS ZONE	
SOUTH	NORTH
7	4

BLUE CROP

USDA • BB-W-4800

1. Highbush type cultivar.
2. Height is 4-6 feet at maturity and upright in stature.
3. Ripening date is July 15 in the South Haven, Michigan area.
4. Yield is consistent, ranging from 10-20 pounds per plant at maturity depending upon cultural care.
5. Fruit size is large with 65 berries per cup.
6. Berry quality is firm, picking scar is small, and berries are bright blue.
7. Harvesting can be done by hand or mechanical harvest. The clusters are open and medium-large.
8. Markets for the fruit can be either fresh or process.
9. Ornamental value for the bush is excellent. Good green color in summer and fiery red in fall. Very hardy and drought resistant.
10. Blue Crop is the leading early-mid-season highbush cultivar in the United States.

HARDINESS ZONE	
SOUTH	NORTH
7a	4a

BLUE GOLD

ARS—USDA New Jersey • BB-W-0200
Agricultural Experimental Station 1989

1. Highbush cultivar.
2. Height of bush will vary 4-5 feet. Growth will be compact and low growing, producing many branches. To encourage upright growth, prune heavily.
3. Ripening date is July 25 in South Haven, Michigan.
4. Yields are consistently high, 12 lbs average, in commercial plantings.
5. Blue Gold is the easiest cultivar for hand harvesting. The fruits ripen uniformly and clusters are large. Mechanical harvesting is feasible.
6. Quality of the fruit is excellent. Small dry picking scar, attractive color. Good flavor and firm fruit makes Blue Gold an outstanding new mid-late season cultivar.
7. Harvesting is done by hand but mechanical harvesting seems very feasible with the plant.
8. Marketing fruit is commercial packing, U-Pick or process.
9. The cultivar seems to adapt to most soils and cold to moderate climates.

HARDINESS ZONE	
SOUTH	NORTH
7b	4a

BLUE JAY

Michigan State University • BB-W-0300

1. Highbush type cultivar.
2. Height is 5-7 feet and upright in stature, only slightly spreading.
3. Ripening date is about July 10 in the South Haven, Michigan area.
4. Yields 10-20 pounds per bush.
5. Fruit size is medium-large with 76 berries per cup.
6. Quality of berry is firm. The berry is spherical in shape, light blue in color, little to no picking scars and borne on long stems. The fruit has a pleasant mild flavor and is only slightly tart.
7. Harvesting can be done by hand or mechanically. Mechanical harvest can be done exceptionally well because the fruit is produced on long stems and loose clusters. 70% of the fruit can be picked at one time the first picking, and a second picking will complete harvest.
8. Markets for the fruit can be fresh or process; however, the fruits excellent quality makes it desirable for the fresh market.
9. Ornamental use of Blue Jay is good; plants are vigorous with an upright growth habit. Fall color is yellow-orange.

HARDINESS ZONE
SOUTH NORTH
7a 4a

BLUE RAY

USDA • BB-W-0400

1. Highbush type cultivar.
2. Height at maturity is 4-6 feet and upright in growth.
3. Ripening date is about July 18 in the South Haven, Michigan area.
4. Yield is consistent, ranging from 10-20 pounds per plant at maturity depending upon cultural care.
5. Fruit size is large with 60 berries per cup.
6. Berry quality is firm, picking scar is small and color is bright blue.
7. Harvesting is more adaptable if done by hand. Mechanical harvesting can be done after the first two pickings are harvested.
8. Markets for the fruit can be fresh or process. Blue Ray is the leading variety planted for U-Pick markets.
9. Ornamental value for the bush is excellent. Dark green color in the summer and burgundy red in the fall.

MATURE BLUE RAY BLUEBERRY PLANTS

We are offering Blue Ray Plants that are balled and burlaped. Plants are available to be shipped this spring. There is a very limited supply so order early before they sell out. Zones 4-8

BB-W-0410 \$40.00 each

Please contact us either by phone or e-mail for a quote on shipping charges.

HARDINESS ZONE
SOUTH NORTH
7 4

BONUS

De Grandchamp's Farm • BB-W-5100

1. Northern highbush type cultivar.
2. Height of a mature plant is 5-6 feet.
3. Ripening date is July 30th in South Haven, Michigan.
4. Yields are very good and could average 12 to 15 lbs consistently.
5. Fruit size is extra large, 100 berries per pound.
6. Quality of the fruit is rated high for the fresh market. The fruits have a small dry picking scar and harvest without stems. The bright blue berry holds the beautiful color long after harvest. The flavor is very good and sweet and only mildly acid.
7. Harvest is best done by hand for fresh markets. The plants do not lend themselves to mechanical harvest, the fruit does not ripen uniformly so mechanical harvesting is not advisable.
8. Marketing is recommended for the fresh market or for the U-Pick trade. This is an excellent berry for the U-Pick as the berries are big, bright blue, and delicious.
9. The plants seem to have resistance to many of the blueberry fungal diseases.

HARDINESS ZONE
SOUTH NORTH
7b 5b

CARA'S CHOICE

USDA-New Jersey • BB-W-4600
Agricultural Experiment Station

1. Highbush type cultivar.
2. Height is 4 feet and slightly spreading for ease of hand harvesting.
3. Fruits ripen July 15th in South Haven, Michigan.
4. Yields are consistent at 10 and 15 pounds per plant in recommended growing areas.
5. Fruit size is medium, 70-75 berries per cup.
6. Flavor of fruits are very sweet with well balanced acidity, a superior flavor that is both complex and aromatic.
7. Fruits have small, dry scars and excellent firmness that is attractive for fresh marketing. Berry color is light blue with excellent eye appeal.
8. Cara's Choice is recommended for U-pick and for commercial hand harvesting where high quality, mid season fruits are desired.

HARDINESS ZONE
SOUTH NORTH
8b 5b

CHANDLER

USDA 1994 - BBW6900

1. Highbush type cultivar.
2. Height of bush is 5-6 feet at maturity. The growth habit is upright slightly spreading and branched well.
3. Ripening is late midseason, approximately August 15 in South Haven, Michigan.
4. Yields are high and consistent in Michigan, up to 15 pounds per plant.
5. Berry size is extremely large, 45 berries per 8 ounce cup. 1.5 gram berries are common compared to Blue Cap which average 1.7 grams per berry.
6. Fruits are of excellent quality with good firmness with a small dry stem scar. The blue color and fine flavor with large berries are the attributes to Chandler.
7. Hand harvest is recommended for obtaining the best quality fruits for fresh markets. The plants stature and concentrated ripening will lend itself for mechanical harvesting as well.
8. Marketing is recommended for fresh and U-Pick sales.
9. Plants tested in Grand Junction, Michigan have performed consistent yields despite winter temperatures of minus 18 degrees F (-27°C).

SOLD OUT UNTIL FALL 2009

HARDINESS ZONE
SOUTH NORTH
7 5

CHANTICLEER

1997 USDA • BB-W-9600

1. Northern highbush type cultivar.
2. Mature height of plant is 6 feet. Growth is upright, spreading only slightly.
3. This is an early ripening variety, ripening 3-4 days earlier, but flowering the same time as Duke.
4. Consistent yields average 10 to 12 pounds per year.
5. Fruit size is medium to large similar to that of Duke. Averaging 1.9 grams per berry. The flavor of the fruit is mostly sweet, having high amount of sugar brix. The fruit is very attractive, and holds the light blue color after harvesting.
6. Fruit quality is good and can be used for the fresh market or processing market. Fruits are consistent in being of good quality every year.
7. Harvesting is done by hand for the early markets. The plant is adaptable to mechanical harvest as it is a good statured plant upright in growth.
8. The plants show resistance to the fungi mummy berry and stem blight.
9. The yields of the plants have performed much higher in the milder climates, where there are minimal large fluctuations of temperatures.

HARDINESS ZONE
SOUTH NORTH
7b 3a

CHIPPEWA

University of Minnesota • BB-W-1900

1. Highbush/Lowbush type cultivar.
2. Height of bush will be 3 feet at maturity.
3. Ripening is early, approximately July 8th in Grand Junction, Michigan.
4. Yield is similar to the cultivar Northblue at 3-7 pounds per plant.
5. Fruit size is medium to large being about 90 berries per cup.
6. Flavor of the fruit is very sweet with little acid. The quality of the fruit is excellent. Small picking scar and firmness make the berries good for shipping.
7. Hand harvesting is recommended but the upright/higher statured plant lends itself to mechanical harvest.
8. Marketing should be for fresh, being that the fruits are firm and attractive.
9. Ornamental use is good if the choice in the landscape requires a four foot upright bush. The cultivar is self-fruitful, so one accent plant in a landscape will have full yields.
10. Hardiness is one of the main attributes for Chippewa. It will survive and produce fruit in colder regions where temperatures can reach minus 40 degrees Fahrenheit.

HARDINESS ZONE	
SOUTH	NORTH
7a	5b

COVILLE

USDA • BB-W-0600

1. Highbush type cultivar.
2. Height is 4-6 feet at maturity and is more upright.
3. Ripening date is August 1 in South Haven, Michigan area.
4. Yields average 5-8 pounds per bush.
5. Fruit size is large, 65 berries per cup.
6. Quality of berries firm with little to no picking scar. Good flavor; a tart, aromatic taste.
7. Harvesting can be done by hand or mechanical; the bush has a good shape for mechanical harvest.
8. Marketing of the fruit is fresh market for the most part and process for the last picking. U-Pick operations use Coville for its large berry and to extend the harvest season.
9. Ornamental use of Coville is okay, its upright growth is similar to most upright growing cultivars. Fall color is yellow-orange.

HARDINESS ZONE	
SOUTH	NORTH
8	5

DRAPER

Michigan ppaf • BB-W-7100

1. Highbush type cultivar.
2. Height of bush will be 5-6 feet tall at maturity. Plants appear to have high vigor and produce an upright and open growth habit.
3. Ripening will begin July 15 in Grand Junction, Michigan. The ripe fruits will remain on the plants for approximately 3 weeks, when 80% of the fruits can be harvested at one time.
4. Consistently good yields have been observed on test plants 6 years old. It appears that ultimate yield could be that of Duke, 10-15 pounds per plant.
5. Fruit size is medium, approximately 75 berries per cup.
6. Berry quality is firm and has a small, dry picking scar. Berries are a bright blue. Fruits are high quality and will store for long periods of time in storage.
7. Harvesting by hand is recommended. Preliminary observations preclude that mechanical harvesting can be done with care; harvesting up to 80% of the fruit at one harvest.
8. Markets for the fruit should be geared to fresh markets due to the fruits fine quality and good flavor.
9. The plants have performed well in the recommended growing areas. Disease resistance is unknown.

HARDINESS ZONE	
SOUTH	NORTH
7a	5a

DUKE

USDA—Agricultural Research Service • BB-W-0700
New Jersey Agricultural Experiment Station

1. Highbush type cultivar.
2. Height of bush is 4-6 feet and upright like most highbush cultivars.
3. Ripening date is July 1 in the South Haven, Michigan area.
4. Yield has been recorded in Michigan as consistently high, 10-15 pounds per plant.
5. Fruit size is medium with small dry scars. Berry has good color and has very firm skin. It is most desirable for eating fresh.
6. Quality of the fruit is excellent and could be used for fresh market as well as process.
7. Harvesting is mainly done by hand because of the early ripening fruit. The berries are produced on long stems and loose clusters, so it is adaptable for mechanical harvesting. Two harvests about 7-10 days apart should complete the Duke harvest, before starting to harvest Blue Crop.
8. Duke is the best cultivar that we have now for early ripening high quality fruit. It has adapted well in all blueberry growing areas in the United States and it is a very popular cultivar for all growers.

HARDINESS ZONE	
SOUTH	NORTH
9b	4b

ELIZABETH

1966 New Jersey Blueberry Variety Council
BB-W-4300

1. Highbush type cultivar.
2. Height is 6 feet at maturity. The bush is upright and slightly spreading.
3. Ripening of the fruit is mid to late season, ripening approximately July 25th in South Haven, MI.
4. Yield is high and dependable in moderate climates. In harsher climates production can be inconsistent.
5. Fruit size is very large, 50 berries per cup.
6. Quality of the fruits are fair, and fruit is medium blue in color. The cultivar is prized for its excellent flavor.
7. Harvest can be done by hand or machine. The berry clusters are loose and easy to harvest.
8. Marketing is mainly for the fresh market because of its superior flavor.
9. We reintroduced this variety because of the outstanding flavor and plant vigor.

SOLD OUT UNTIL FALL 2009

HARDINESS ZONE
SOUTH NORTH
7a 4b

ELLIOTT

USDA • BB-W-0800

1. Highbush type cultivar.
2. Height is 5-7 feet, upright and slightly spreading.
3. Ripening date September 1 in the South Haven, Michigan area.
4. Yields are consistently high, 10-20 pounds per bush at maturity.
5. Fruit size is small to medium averaging 75 berries per cup.
6. Quality of the berry is very firm and has no picking scar. The berry is light blue and has a good, mild flavor when fully ripe. The flavor is very tart until 60 percent of the berries are ripe.
7. Harvesting can be done by hand or mechanically. Elliott adapts very well for mechanical harvesting because the berries ripen simultaneously so that 70-80% of the berries can be picked at one time.
8. Marketing of the fruit is for fresh or process. The Elliott berry is the best quality and colored berry at this time of the year so it is a very good cultivar for the fresh market.
9. Ornamental use is very good because of its upright growth habit, bluish-green leaf color and late blooming flowers. Fall color is orange-red and long lasting.

HARDINESS ZONE
SOUTH NORTH
7a 4a

FRIENDSHIP

University of Wisconsin 1990 • BB-W-2000

1. Highbush/Lowbush type cultivar.
2. Height of bush will be 48" tall. The plant seems to be a vigorous grower in the nursery and it should perform well in the field and in landscape situations.
3. Ripening date will be approximately July 8 in South Haven, Michigan area.
4. Yields are 4-8 pounds per plant.
5. Fruit size is small to medium, approximately 90 berries per cup. The deep blue colored fruit is borne on loose clusters for ease of picking.
6. Quality of the fruit is good, but the berries are especially known for the superb flavor that is comparable to the wild blueberry and Western Huckleberry.
7. Harvest is done by hand, but because of the bush's upright growth habit, mechanical harvest can be done due to some new developments to the harvesters.
8. Marketing is geared to U-Pick now, but the bush may have some commercial capabilities if production continues to increase.
9. Ornamental use of the plant is excellent. It is superior in its bloom, a vigorous grower, with attractive foliage lasting through the summer and extending into very late fall. Fall color is brilliant orange-red; one of the last blueberry cultivars to shed its leaves.
10. Friendship was released for Northern growers that needed a bush more adaptable to colder areas.

HARDINESS ZONE	
SOUTH	NORTH
7b	5b

HANNAH'S CHOICE

BB-W-4400

1. Highbush type cultivar.
2. Height of bush is about 4-5 feet at maturity.
3. 50% of the fruits will ripen by June 28th in South Haven, Michigan.
4. Yield in test areas were moderate to high, yielding 11.9 pounds per bush, averaged over 3 years. Hannah's Choice is competitively yielding with other early ripening cultivars.
5. Fruit size is medium to large, averaging 60-75 berries per cup.
6. The flavor of the fruits are outstanding, being very sweet, sub-acid and mild flavored with pronounced peach accents. We consider it to be the best flavor of all early ripening cultivars.
7. Fruits have small scars and hold excellent firmness. The color of the berries are medium to light blue and very attractive for fresh markets.
8. Hand harvesting of the fruits is recommended. Observations in 2006 indicated that the plant is well adapted for machine harvest as well.
9. We feel that Hannah has great potential as a commercial early ripening variety. The cultivar will be great for ornamental use. The flowers appear in spring with a pink tinge with the normal white open flowers.

HARDINESS ZONE	
SOUTH	NORTH
7a	4a

HERBERT

BB-W-0900

1. Highbush type cultivar.
2. Height of bush is about 4-6 feet at maturity.
3. Ripening date is mid-July in the South Haven, Michigan area.
4. Yield is good but is inconsistent in colder climates ranging from 5-8 pounds per bush at maturity.
5. Fruit size is large, averaging 65 berries per cup. The fruit is borne on loose clusters.
6. Quality of the berry is good. Fruits are large with good flavor.
7. Harvesting is done by hand or mechanically.
8. Marketing potential is only for process or local fresh markets.
9. Ornamental use of Herbert is okay.
10. Herbert is a recommended cultivar for U-Pick and home use because of its excellent flavor.

HARDINESS ZONE	
SOUTH	NORTH
8b	4b

JERSEY

BB-W-1000

1. Highbush type cultivar.
2. Height is 5-7 feet. The bush is upright and spreading.
3. Ripening date is about July 30 in the South Haven, Michigan area.
4. Yields average 7-10 pounds per bush.
5. Fruit size small-medium with 110 berries per cup, borne on long and loose clusters. Flavor is considered the best by most blueberry connoisseurs.
6. Quality of berry is good but has a small picking scar.
7. Harvesting can be done by hand or mechanically.
8. Marketing of the fruit is mainly for the process market. The Jersey variety is widely planted in Michigan and is the #1 process blueberry.
9. Ornamental use is good; the bush is large and upright. Foliage in the fall is yellow-orange and is long lasting.

HARDINESS ZONE	
SOUTH	NORTH
8	5

LEGACY

1993 USDA • BB-W-7300

1. Highbush type cultivator.
2. Plants are vigorous and upright growing to 5 to 6 feet at maturity. First fruits ripen in mid-late season approximately three weeks later than O'Neal.
3. Plants are high yielding and very consistent yearly.
4. Fruit size is medium, approximately 75 berries per cup. Flavor of the fruits are high in sweetness and slightly acid: a very superior flavor for fruit.
5. Quality of fruits is superior to many cultivars. 89% of the fruits were of excellent quality after 8 days in storage at 40 degrees F (4 degrees C).
6. Harvesting is accomplished mechanical or by hand.
7. Fresh market is recommended due to the high quality of flavors.
8. The variety is an excellent choice for growers in California and the Pacific Northwest because the plant is 100% adapted for mechanical harvesting for packaging fruit for the fresh market.
9. Plants are resistant to stem canker, which is important in warmer climates.

HARDINESS ZONE
SOUTH NORTH
8 5

LIBERTY

Michigan ppaf • BB-W-7200

1. Highbush type cultivar.
2. Height of bush is 4 to 5 feet at maturity. Plants are upright in stature.
3. Ripening date is August 15th in Grand Junction, Michigan. The final harvest will harvest before Elliott will become ripe.
4. Yields have not been tested, the 4 year old test plants indicate that the yields will be equal to most commercial varieties.
5. Fruit size is medium; 75 berries per cup.
6. Berry quality is firm and has small, dry picking scar. Berries are bright blue. Fruits are of high quality and will store for long periods of time in storage.
7. Harvesting by hand is recommended for now. Preliminary observations preclude that mechanical methods are possible with Liberty.
8. Markets could be for fresh or process.
9. The test plants have performed very well in recommended growing areas. Disease resistance is unknown.

HARDINESS ZONE
SOUTH NORTH
7a 4a

LITTLE GIANT

USDA • BB-W-4200

1. An interspecific hybrid cross of *V. Constablaei* and *ashei*. Selected by A.D. Draper in Beltsville, Maryland.
2. Height of plants is 4 to 5 feet tall with open spreading branches as fruit matures.
3. Ripening date in Southwest Michigan is August 1st. Two harvests with machine can complete the harvest.
4. Yield of plants is consistent in Grand Junction, Michigan at 15 pounds per plant. In colder areas of Zone 4, yields will be lower due to cold damage in the winter.
5. Fruit size is very small, yielding over 1000 berries per pound or 0.6 grams per berry. The clusters are loose so harvesting with a machine can be completed without substantial bush or berry damage.
6. Quality of the fruit is very good and is excellent for processing qualities. The picking scar is small and dry.
7. The flavor of the fruit is THE BEST of all blueberry cultivars. There is not another cultivar that is more delicious than Little Giant. The anthocyanins and antioxidant levels are one the highest in this cultivar compared to other cultivars that were tested by Tufts University.
8. Harvesting for commercial growers is accomplished mechanically. The fruit can be used for fresh market because of its good quality and shelf life, but it is recommended to harvest it by hand.
9. This is a desirable fruit to market to the process market because of its small size. It can be used as a fresh market berry in specialty markets that want small size and fine flavored fruit.
10. Ornamental use of the cultivar is excellent; flowers in the spring appear as light pink. Summer foliage is powdery greenish-blue and the autumn foliage is reddish-burgundy. Winter twigs are brownish-red.
11. Plants will produce suckers from the crown outward. The suckers arise from the roots. These can be easily mowed, but in time the row will be solid with blueberry canes, unlike other hybrid cultivars. Chilling requirements are a minimum of 600 hours.

HARDINESS ZONE
SOUTH NORTH
7a 4a

MEADER

New Hampshire Ag. Station • BB-W-1100

1. Highbush type cultivar.
2. Height of bush is 5-7 feet, upright and slightly spreading.
3. Ripening date is July 15 in the South Haven, Michigan area.
4. Yields are 12-15 pounds per plant and consistent every year.
5. Fruit size is medium to large averaging 65 berries per cup.
6. The quality of the berries is very good. The post harvest fruits will store better than most mid-season cultivars. The flavor of the fruits is outstanding being mostly sweet with a hint of acidity.
7. Harvesting can be done by hand or mechanically. It is well adapted to mechanical harvest because 60-70% of the berries become ripe at once.
8. The variety is an excellent choice for a u-pick or for fresh markets in every zone it is recommended. The fruits have the finest flavors, mostly sweet with a small hint of acidity.
9. Ornamental use of variety is very good. The plants are vigorous in growth, hardy and exhibit deep fall color.
10. Meader is recommended for areas where winter temperatures drop below -25°F and heavy snow loads are frequent.

HARDINESS ZONE
SOUTH NORTH
7a 3a

NELSON

ARS—USDA New Jersey • BB-W-1200
Experimental Station 1988

1. Highbush type cultivar.
2. Height of bush is 5-6 feet tall at maturity.
3. Ripening date will be July 25 in the South Haven, Michigan area.
4. Yield has been high at the test site; average 13-18 pounds per plant.
5. Fruit size is large; average 13-18 berries per cup or 1.99 grams per berry.
6. Quality of the fruit is very good. Berries are firm. Picking scars are small and berry color is a dark blue.
7. Harvest can be accomplished by hand or mechanical harvest. The clusters are loose so ripe fruit will separate easily from the stems.
8. Of all the blueberry cultivars that ripen July 25, this cultivar is most outstanding for fresh markets.

SOLD OUT UNTIL FALL 2009

HARDINESS ZONE	
SOUTH	NORTH
7a	3a

NORTH COUNTRY

University of Minnesota • BB-W-2200

1. Highbush/Lowbush type cultivar.
2. Height of bush is 18-24 inches.
3. Ripening date is July 10 in the South Haven, Michigan area.
4. Yield is 2-7 pounds.
5. Fruit is small to medium, 1/4" -3/8" in diameter.
6. Quality of fruit is good, with little to no picking scar. Flavor is sweet to mild, typical to wild lowbush berries, with attractive sky-blue berries.
7. Harvesting is done by hand or with a Tabbut™ blueberry rake. With the advent of a small harvester, it can be picked mechanically.
8. Marketing potential is for fresh and U-Pick markets.
9. Ornamental use of North Country is very good. The growth is vigorous during the summer, turning a fiery red in the fall. Its low stature makes it a nice landscape plant. Of all the blueberry cultivars, this bush is most outstanding for landscapes.
10. Plants of North Country survive winter temperatures to -35°F, but production is maximized when snow protection is adequate.

HARDINESS ZONE	
SOUTH	NORTH
7a	3a

NORTH BLUE

University of Minnesota • BB-W-2100

1. Highbush/Lowbush type cultivar.
2. Plants are short-statured, growing to a height of 20-30 inches.
3. Ripening date is July 15 in South Haven, Michigan area.
4. Yield is good. Annual harvests of between 3 and 7 pounds of fruit per plant are possible.
5. Fruit size is large and attractive, dark blue fruit.
6. Quality of fruit is very good. The fruit is firm and stores well with refrigeration.
7. Harvesting is done by hand or with a Tabbut™ blueberry rake. May someday be mechanically harvested.
8. Marketing potential is fresh, U-Pick or process.
9. Ornamental use of North Blue is good. The growth is vigorous during the summer, and the large glossy, dark green leaves turn dark red in the fall. Its low stature makes it attractive.
10. Plants of North Blue have survived winter temperatures to -35°F., although production is maximized when snow protection is adequate.

HARDINESS ZONE
SOUTH NORTH
7a 3b

NORTHLAND

Michigan State University • BB-W-1300

1. Highbush/Lowbush type cultivar.
2. Height is about 3-4 feet at maturity, the bush is vigorous and moderately spreading. The bush has reached 5-6 feet when the horizontal branches are severely pruned.
3. Ripening date is July 7 in the South Haven, Michigan area.
4. Yields are consistent, averaging 15-20 pounds per bush.
5. Fruit size is small, 136 berries per cup. Fruit is borne on long and loose clusters.
6. Quality of berry is moderately firm with a medium picking scar, if berries are picked soon after ripening. The color is dark blue and has a wild berry flavor.
7. Harvesting can be done by hand or mechanically.
8. Marketing of the fruit is U-Pick, fresh, or process.
9. This cultivar was hybridized to adapt to Northern Michigan. Northland has limber branches which do not break under heavy snow loads, and adapts well to the sub-zero climate.
10. Ornamental use is very good. Low stature and spreading growth habit make it an attractive landscape plant. Foliage is beautiful year round. Dark green foliage in summer and orange-red in fall with yellow branches in winter.

HARDINESS ZONE
SOUTH NORTH
7a 3a

NORTH SKY

University of Minnesota • BB-W-2300

1. Lowbush type cultivar.
2. Plants are short-statured, growing to a height of 10 to 18 inches.
3. Ripening date is July 15 in the South Haven, Michigan area.
4. The plants yield between 1 and 2 pounds of fruit.
5. Fruit size is small and has a dusty bloom that gives it a very attractive sky blue color.
6. Quality of fruit is very good. The fruit is firm and stores well with refrigeration. The berry is highly flavored.
7. Harvesting is done by hand or with a Tabbut™ blueberry rake.
8. Marketing potential is fresh or U-Pick.
9. Ornamental use of Northsky is good where a low statured plant is needed. Plants are dense, with glossy dark green summer foliage that turns dark red in the fall.
10. Plants of North Sky have survived to -40°F during the winter but are most productive when adequate snow protection is available.

HARDINESS ZONE
SOUTH NORTH
7a 4b

ORNABLU

West Virginia • BB-W-2600
Agriculture Experiment Station

1. Highbush/Lowbush type cultivar. *V. corymbosum* cross with *V. pallidum*.
2. Height of bush is 3 feet tall and spreads to 5 feet in diameter at maturity.
3. Ornablu is very suitable for landscape borders or as specimen plants.
4. Some of its attractive characteristics are:
 - A. Blooms profusely.
 - B. Dense, but very slender foliage.
 - C. Fruits are dark blue and very high yielding.
 - D. Foliage is red in fall and long lasting.
5. Ornablu is considered to be the best *Vaccinium* ornamental of its size and stature.

HARDINESS ZONE
SOUTH NORTH
7a 3b

PATRIOT

University of Maine • BB-W-1400

1. Highbush type cultivar.
2. Height of bush ranges from 4-6 feet. The bush is upright and spreads when fruit is ripe.
3. Ripening date is July 5th in South Haven, Michigan area, and will continue to produce until mid-August.
4. Yield is consistent, ranging from 10-20 pounds at maturity, depending on cultural area.
5. Fruit size is large, averaging 49 berries per cup at early-mid harvest, and dropping down to 60 berries per cup at mid-late harvest.
6. Quality of the berry is firm and has small, dry, recessed scars. The berry is formed on tight clusters and it tends to be flatter than the other cultivars.
7. Harvests are done by hand or U-Pick. Mechanical harvest can only be achieved during the final harvest.
8. Marketing of the fruit is for the fresh or U-Pick markets because of the size and quality of fruits.
9. Ornamental use of Patriot is good. It was originally released for use as a home garden plant, but desired characteristics made it available for commercial planting.
10. Patriot seems to have resistance to *Phytophthora cinnamoni* root disease.

HARDINESS ZONE
SOUTH NORTH
8 4

PINK CHAMPAGNE

USDA • BB-W-5600

1. Northern Highbush type cultivar with red to pink fruits. This is a germplasm release from the ARS/USDA.
2. Height of the plant is 5 feet tall and mostly upright.
3. Ripening times in S.W. Michigan are July 15th and the season will extend into late August.
4. Yields are very good and consistently produce 10 to 15 pounds of the bright reddish fruit.
5. Fruits are very sweet very high in brix without acid but the fruit must be harvested when red. They will not change to the blue color. The fruits have a consistent sweet fresh flavor which differs from any other berry.
6. Quality of the fruit is very good. They have a nice tight skin and virtually no seeds.
7. Harvesting can be accomplished by hand or mechanical harvesters. Since this variety was not intended to be a commercial variety, it has not been tested for mechanical, but the plant stature and the firm fruits indicate it to be a perfect fit for a machine.
8. Marketing a red berry will be special. There are many markets for the berry. Red color usually sells, they are beautiful. The sugar brix in the berries will make the perfect smoothie, no need to add sugar to sweeten. The red berries can be used in fruit cocktail without turning the other fruits in the can, frozen package or the freshly cut fruit the blue color.
9. The ornamental use of the variety is attractive in all of the seasons, plus the sweet fruits are an added plus.
10. Plants are available in all sizes for September '08.

SOLD OUT UNTIL FALL 2009

HARDINESS ZONE
SOUTH NORTH
7a 3a

POLARIS

University of Minnesota • BB-W-2400

1. Highbush/Lowbush type cultivar.
2. Mature height is 3 feet tall and slightly spreading.
3. Ripening date is early mid-season.
4. Yields have been consistent averaging 3.5 pounds per plant over a 7 year period.
5. Fruit size is medium, approximately 70 berries per cup.
6. Berry quality is good. The scar is moderately small. The light powder blue fruit is attractive and has good eye appeal.
7. Fruits are normally hand harvested but the stature of the plants are tall enough for mechanical harvest.
8. Flavor is excellent and has intense fruit flavor.

HARDINESS ZONE	
SOUTH	NORTH
7a	4a

RUBEL

BB-W-1500

1. Highbush type cultivar.
2. Height is 5-7 feet.
3. Ripening date is July 27 in the South Haven, Michigan area.
4. Yields average 8-10 pounds per bush.
5. Fruit size is small, with 132 berries per cup. Borne on long clusters.
6. Quality of berry is firm. The berry has a medium picking scar and tends to be stemmy during a drought or if not harvested on time. Berry color is light blue with very good flavor.
7. Harvesting can be done by hand or machine. Mechanical harvesting qualities are very good.
8. Marketing is for the process market because of the small berry.
9. Ornamental use of Rubel is very good. It has long slender foliage which turns reddish in the fall.
10. Rubel was rated as one of the highest levels of antioxidants.

HARDINESS ZONE	
SOUTH	NORTH
7a	5b

SIERRA

ARS—USDA New Jersey • BB-W-1600
Experimental Station 1988

1. Highbush type cultivar, but it is an interspecific hybrid of four species; 1 diploid, 1 tetraploid, and 2 hexaploids. Crosses were made by A. D. Draper at Beltsville, MD.
2. Height of bush is 5-6 feet at maturity. Growth is upright and the plants are extremely vigorous.
3. Ripening date is approximately July 10 in the South Haven, Michigan area.
4. Yields are medium to high in test plots.
5. Fruit size is large, 50 berries per cup.
6. Quality of the fruit is excellent, picking scar is small. Good color and good flavor make this new cultivar very promising for future plantings in most areas of the United States.
7. Harvesting is done by hand but it will lend itself to mechanical harvest due to the plant's stature, fruit quality, evenness in ripening and loose clusters.
8. Marketing is fresh, but can be used for process as well. The bush is upright and open so U-Pick customers can harvest it easily.
9. Sierra is recommended to be planted as an early ripening cultivar. It has all the characteristics of being a major blueberry cultivar for all areas in the United States.

HARDINESS ZONE	
SOUTH	NORTH
7b	4a

ST. CLOUD

University of Minnesota • BB-W-2500

1. Highbush/Lowbush type cultivar.
2. St. Cloud has an upright growth habit. Height of the mature plant is about 4 feet.
3. Ripening date of St. Cloud has been similar to Northblue indicating that it has considerable hardiness. Mature plants have averaged 7 pounds of fruit per plant.
4. Fruit is medium to large. 70 berries per cup.
5. Firmness and flavor of the fresh fruit is superior.
6. Hand harvest, but could be mechanically harvested.
7. Frozen fruit quality has usually been superior as well as fresh and U-Pick.
8. St. Cloud should be used in commercial plantings in cold regions as well as in residential plantings and gardens. St. Cloud requires cross pollination with another blueberry cultivar to obtain fruit set. It should be planted with Northblue, North Country or North Sky.

HARDINESS ZONE	
SOUTH	NORTH
7a	4b

TOP HAT

Michigan State University • BB-W-2700

1. Lowbush, dwarf type cultivar, ornamental only.
2. Height of bush is 20 inches at maturity with a spherical shape of about 24 inches in diameter.
3. Top Hat is strictly used for ornamental landscape purposes. It has been one of the most talked about blueberry cultivars because it has unique characteristics such as:
 - A. Dwarf habit.
 - B. Medium sized edible fruits.
 - C. Profuse blooms.
 - D. Cold Hardy.
 - E. Bonsai type without much training.
4. Top Hat is one of the best low growing cultivars used for dwarf ornamental or mass landscape plantings.

HARDINESS ZONE	
SOUTH	NORTH
7a	4b

TORO

USDA—New Jersey • BB-W-1700

Experiment Station—1987

1. Highbush type cultivar.
2. Height is 5-6 feet. Plants are vigorous and grow upright in stature. The name "Toro" reflects the strong, stocky structure of the plant.
3. Ripening of the fruit is grouped in the early mid-season which would be July 15 in South Haven, Michigan. The berries will have no purple backside when berries are blue on the top; this is the major concern for fresh market producers.
4. Yield of Toro is very consistent; it is a heavy producer. The fruit buds and wood seem to be very tolerant to fluctuating winter temperatures.
5. Fruit size is large. Approximately 60 berries per standard cup.
6. Quality of the fruit is excellent, having small dry scars, good color and firmness. Flavor of the fruit is very sweet with low acid.
7. Harvesting can be done by hand or mechanical harvesting. It will be a very good cultivar for mechanical harvest because of concentrated ripening and fruit can be harvested in two harvests.
8. Marketing of the fruit is preferably fresh because of its concentrated ripening and high quality fruit. The berry can be used as process or U-Pick.

HARDINESS ZONE	
SOUTH	NORTH
7b	3a

VACCINIUM ANGUSTIFOLIUM

Lowbush Blueberries From the Wild • BB-W-6100

1. Vaccinium angustifolium (Lowbush blueberry) for commercial production and ornamental landscapes.
2. Height of plants is 6" to 18" and spreading outward by stolons up to many feet at maturity. The width can be controlled easily by mowing or cutting roots on the edges.
3. Fruits are small and powder blue to black in color. The flavor is sweet with the typical wild blueberry flavor.
4. The foliage color will vary from plant to plant; yellow, reds, fluorescent orange contrasts can be enjoyed in the landscape.
5. This species is native to many parts of the U.S. and is widely planted as a landscape groundcover.

HARDINESS ZONE
SOUTH NORTH
7b 3a

RUBY CARPET (ppaf)

BB-W-9300

1. *Vaccinium angustifolium*, a lowbush selection made by HPC from the state of Maine.
2. Height of plants will be 4 to 6 inches at maturity and spread outward to create a fall red carpet.
3. Fruits are small up to 1500 per pound and are a light blue color to deep blue when harvested. They have a sweet flavor with no acid which is typical of the wild blueberry flavor.
4. Autumn foliage color is outstanding deep red fluorescent. Profuse white flowers cover the plant each spring and deep green leaf color is disease resistant all summer.
5. Ruby Carpet is selected for the form, color and resistance to dryer soil types.
6. Propagation is prohibited.

VACCINIUM PALLIDUM

Hillside Blueberry • BB-W-7600

1. A species native from eastern Oklahoma to the East and as far North as Maine and Minnesota.
2. Height of plants varied 2 to 4 feet high at maturity. The plant is densely formed and rhizomatous, forming small colonies.
3. Fruits are shiny black but very small, approximately 1000 berries per pound.
4. Foliage in summer is bright deep green and in the autumn colors change to orange yellow with some burgundy. The new twig growth is burgundy.
5. Plants grow in open dry woods among pines or hardwoods. They do very well along rock ledges as they resist drought.
6. Common name is Hillside Blueberry.
7. Flavor of fruits are sweet and aromatic.
8. Commercial harvesting of the fruits has been popular in areas of West Virginia, North Georgia and Arkansas.
9. Ornamental use of this shrub is used extensively in drier sites where most berry plants do not adapt well.

VACCINIUM PENSYLVANICUM

BB-W-2800

The species is found natively from Southwestern Illinois to the Eastern seashore of the United States. Plants grow in a wide variety of soil types and climatic conditions; a very adaptable plant. Use the lowbush-type plants in mass plantings as an edible groundcover or as an accent to beautify any landscape.

Named clones are available and were selected for their different forms.

LITTLE CRISP – BB-W-6200. Plants were located in Luce County in the Upper Peninsula of Michigan. This clone was found on the beach shore of Lake Superior and selected for its vigor and hardiness. The fruits are small at 3/16 in diameter and are a light blue in color. The foliage is bright green changing to a reddish burgundy in the autumn, with red twigs during the winter months. Tiny slender leaves remain on the plants into mid December. Plants hug the ground at 8 to 10 inches at maturity.

Hardiness Zone 3 – 7

BLUE BOY – BB-W-5900. Plants were located in Allegan County, Lower Peninsula of Michigan. Southwest Michigan is known for its profusion of blueberry species. Bluish foliage makes this an outstanding contrast in the landscape. Light blue fruits are sweet with a little acid. In the autumn the foliage colors blend to a gray, orange and burgundy. The plants spread robustly and grow to a height of 12 inches tall.

Hardiness Zone 4 – 7

PARTRIDGE LAKE – BB-W-6300. Plants were located in Allegan County, Lower Peninsula of Michigan, near a small inland lake, Partridge Lake. Foliage is deep green and fruits are of good flavor with a hint of acid with a sweet aroma. Autumn colors change to yellows with burgundy. Winter stems are outstanding in colors of yellows and oranges.

Hardiness Zone 4 – 7

GREEN ELF – BB-W-6000. Plants were located in Allegan County, Lower Peninsula of Michigan in an open forest. Plants are very drought resistant and the foliage holds its green color all summer until fall. Colors of orange to yellow appear in the autumn. Fruits are black, which classifies it as the variety nigrum. Flavor is more acid than other *Pensylvanicum* clones, but the fruits are pleasant.

Hardiness Zone 4 – 7

BLUE SUNSET – BB-W-8800 – Plants were located in Baraga County, Upper Peninsula of Michigan. This was a clone of plants growing tight to the ground less than 4 inches. The bright blue fruits are tiny but full of flavor. The foliage in the fall is a bright orange and yellow with the colored foliage lasting into the winter. The plants have good hardiness and disease resistance. The plants are adaptable to drier sandy soils.

Hardiness Zone 3 - 7

LESLIE – BB-W-8900 – The plants were found at Arvon Township, located in Baraga County. Arvon Township is the highest elevation in Michigan so these plants have survived the coldest winds and harshest climates. The foliage is a deep green during the summer season, changing to deep burgundy in the fall. The fruits are small and flavorful and very plentiful.
Hardiness Zone 3 - 7

PRINCESS JENNY – BB-W-9000 – Plants were located in Baraga County, Upper Peninsula of Michigan. The fruits of this plant are deep blue, tiny, and hang in large clusters. The foliage is deep green and the fall color slowly changes to reddish-orange. The plants will grow moderately and eventually cover the ground with a solid mat 4 to 5 inches in height.
Hardiness Zone 3 - 7

BABY BLUE – BB-W-9400 – Plants were found in Luce County, Upper Peninsula of Michigan. This is one of the smaller growing plants that were found in the Lake Superior area. The plants grow only to 3-4 inches, and hug the ground. The light blue fruits are of fairly large size for this little plant and are mostly light blue. The delicate green foliage changes to the deep red every fall.
Hardiness Zone 3 - 7

HARDINESS ZONE	
SOUTH	NORTH
3	7

VACCINIUM ULGINOSUM

Bog Bilberry • BB-W-7700

1. A species native to the northern parts of North America, well adapted to colder climates.
2. Height of plants ranges from 6 to 24 inches and are rhizomatous in growth.
3. Fruits are small, 3/16 inch diameter and are bluish-black. Flavor is mostly sweet and very low acid.
4. Foliage is mostly oval shaped and during the summer a colorful olive to deep green. Autumn color will vary from yellow to orange.
5. Plants will thrive in a wide variety of soils. Natively the plants are found in dry, well-drained soils.

SOUTHERN RIPENING CHART

VARIETY	WEEK 1 APRIL 12-19	WEEK 2 APRIL 20-27	WEEK 3 APRIL 28- MAY 4	WEEK 4 MAY 5-12	WEEK 5 MAY 13-19	WEEK 6 MAY 20-27	WEEK 7 MAY 28- JUNE 3	WEEK 8 JUNE 4-11	WEEK 9 JUNE 12-18	WEEK 10 JUNE 19-26	WEEK 11 JUNE 27	WEEK 12	WEEK 13
Paloma													
SHARBLUE													
SUNSHINEBLUE													
MISTY													
O'NEAL													
REVELLIE													
GEORGIA GEM													
CLIMAX													
PREMIER													
BRIGHTWELL													
POWDERBLUE													
TIFBLUE													

SOUTHERN RABBITEYE AND SOUTHERN Highbush CULTIVARS FOR LOW CHILLING AREAS

The following plants are grown at our nursery in Michigan. Scionwood is produced from Tissue Culture and maintained in stock houses used for production of cuttings. The plants are grown and maintained in a clean and healthy environment as our Northern cultivars are grown.

POINTS OF INTEREST

RABBITEYE: The U.S. blueberry that is native to the South. Southern rabbiteye type cultivars are usually taller than highbush. Two or more rabbiteye cultivars are needed to achieve pollination and fruit set.

SOUTHERN (Low Chill) Highbush: Southern (low chill) highbush blueberry cultivars have an earlier ripening season and they are lower in stature than the native rabbiteye types. All southern (low chill) highbush are self-pollinating which lend themselves better to warm climate acreages, gardens and landscapes, although research is proving higher yields and insuring adequate pollination with a pollinating cultivar interplanted in the acreage. It is wise to plant more than one variety in a planting.

POLLINATING GROUPS

- A) Early blooming southern (low chill) highbush are self-pollinating. May be planted alone or with any other cultivar. Berries will be larger if two cultivars from Group A are used.
 - B) Early blooming rabbiteyes should be planted together to ensure the best pollination.
 - C) Mid-season blooming rabbiteyes. Plant together to ensure the best pollination.
 - D) Late blooming rabbiteyes. Plant together to ensure the best pollination.
- B, C and D: All require cross pollination. Plant two or more cultivars from the same letter group. Cultivars marked with two letters such as B and C may be planted with A, B, or C cultivars.

SOUTHERN (LOW CHILLING) HIGHBUSH AND RABBITEYE CULTIVARS

Hardiness Zone South	Hardiness Zone North	Variety	Chilling Hour Requirement
9	7	Brightwell	200
9	7	Climax	250
10	7	Paloma	150
9	7	Georgiagem	200
10	6	Misty	150
9	7	O'Neal	200
9	7	Powderblue*	250
9	7	Premier	300
8b	7	Reveille	500
10	7	Sharpblue*	150
10	6	Sunshineblue*	150
9	7	Tifblue	600
11	8	Biloxi	Low to Zero

*Can be used as an ornamental.

Chilling hours are an accumulation of hours with temperatures between 30°F- 45°F (0°C-7°C).



BRIGHTWELL

Coastal Plains Experiment Station Tifton, GA • BB-W-3100

1. Rabbiteye type variety. Pollinating Group: C and D.
2. The height of a mature bush is 8-12 feet, tall and spreading.
3. Ripening date is June 7th at Gainesville, Florida.
4. Yields of 8-14 pounds per bush can be expected on well-kept, irrigated plantings.
5. Fruit size is large with 75-80 berries per standard cup.
6. Berry quality is firm with little to no picking scar.
7. Harvesting can be done by hand, but not much is known as yet about mechanical harvesting.
8. Marketing should be focused on mid-season U-Pick, commercial fresh market or processed.
9. Ornamental use is acceptable, but is similar to other Rabbiteye cultivars, mainly the Climax cultivar.

HARDINESS ZONE
SOUTH NORTH
11 8

BILOXI

Year 1998 - Hybridized by Agricultural Research
Service for the USDA
BB-W-3900

1. Southern highbush type cultivar. The background of parents were Fla. 4-B, which is the species, *V. darrowi*, and Sharpblue.
2. Chilling requirements are very low to nothing, which enables growers in tropical climates to grow the blueberry fruit.
3. Standard height at maturity 5 feet. Width at maturity 3 feet.
4. Ripening time in the southeastern United States will vary upon location. Zone 10 ripens fruit in late April as the plants progress to the north in zone 8 ripening will begin in later part of May.
5. Flowering is early due to the varieties low to no chilling requirements. It is recommended to protect the plants from spring frosts during flowering, if the area planted is susceptible to frost.
6. Yields are consistently medium to high, up to 12 pounds per plant on a mature bush.
7. Quality of the fruit is better than most cultivars and could be rated at 8.5 of a scale of 1-10, 10 being the best. The stem scar is small and does not tear. The berries release from the stems.
8. The plants can be mechanically or hand harvested. When mechanically harvested, up to 50% of the fruits can be used for domestic fresh markets.
9. The plants grow successfully in a wide range of soils. As with any other blueberry good drainage is beneficial for optimum growth.
10. The plants show good resistance to root diseases.
11. The plants show good resistance to leaf spots and diseases.
12. The plants show excellent vigor compared to many of the other low chilling blueberry cultivars.

HARDINESS ZONE
SOUTH NORTH
9a 7b

CLIMAX

Coastal Plains Experiment Station—Tifton, GA • BB-W-3200

1. Rabbiteye type cultivar. Pollinating Group: B and C.
2. The height of a mature bush is 6-10 feet, tall and spreading.
3. Ripening date is May 23 at Gainesville, Florida.
4. Yields of 8-22 pounds per bush can be expected.
5. Fruit size is large with 75-80 berries per cup.
6. Berry quality is very good with little to no picking scar. The berries are good for fresh or process.
7. Harvesting is done by hand but the bush is adaptable to mechanical harvest.
8. Marketing should be focused on early U-Pick and commercial fresh market because of the early ripening date. The berries can be used for process.
9. Ornamental use of Climax is good. It has a rounded leaf which is dark green in the summer and fiery red in the fall through winter.
10. Climax is one of the leading pollinating cultivars for the Southern blueberry region.

HARDINESS ZONE	
SOUTH	NORTH
9b	7a

COLUMBUS

2005 North Carolina State • BB-W-5700

1. Rabbiteye type cultivar. Pollinating group: D
2. The height of a mature plant is 6 to 7 feet and slightly spreading. The plants tend to produce excessive growth at the base, so pruning yearly is necessary.
3. Ripening is midseason, a few days ahead of the late cultivars Tifblue and Powderblue.
4. Yields are high, exact yield data is not available as yet.
5. Fruits are superior in size and are uniform from the first ripe fruits to the harvest end. Flavor is excellent with distinct sweetness with little acidity.
6. Berry quality is considered by most to be the best among the judgment of all cultivars. The fruits do not crack or split as they become ripe and there are no stemming problems with the post harvest fruit. The fruit color is very attractive for fresh marketing.
7. Harvesting is done by hand. With the advances in mechanical harvesters, it will be possible to harvest the extremely large fruits with minimal damage, as the bush is conducive for the machines.
8. Marketing of the fruits will be mainly for fresh markets due to the firmness, quality, and appearance of its fruit. The quality fruits have the advantage of being stored in controlled atmosphere conditions for many weeks without damage to the fruit.

HARDINESS ZONE	
SOUTH	NORTH
10a	6b

MISTY

University of Florida—1989 • BB-W-3400

1. Southern highbush cultivar formerly called Challenger by Patrick J. Hartmann.
2. Height of bush is 6 feet at maturity. The plant grows upright with a small crown at the base and straight narrow branching at the top.
3. Ripening date is May 1-3 at Gainesville, Florida, about 4 days later than Sharpblue.
4. Yields are high and consistent in all the recommended growing areas. Many growers rate the Misty as the number one plant for yield, flavor and fruit quality.
5. Fruit size is very large with 65 berries per cup.
6. Fruits are light blue and very attractive for fresh markets. The bloom remains on the fruits very well after handling. Fruit quality is excellent with little to no pick scar. Storage of fruits are long lasting for many weeks.
7. Harvesting is done by hand or mechanical. The plants' stature is considered to be the best for machine harvesting.
8. Marketing is focused on fresh because of the fine flavor, size and quality of fruits.
9. Ornamental use of the bush is excellent. Plants grow vigorously and will not exceed 6 feet in height. Slender upright branches are graceful supporting pink to white flowers and deep green, semi-evergreen foliage.
10. Misty will pollinate any Southern highbush cultivar. Flowers are abundant and long lasting.

HARDINESS ZONE	
SOUTH	NORTH
9a	7b

O'NEAL

North Carolina Research Service—USDA—ARS
BB-W-3500

1. Highbush type cultivar for the Southeast.
2. Standard height—6 feet and spreading but seems to be well proportioned.
3. Early ripening highbush cultivar.
4. Yield is not yet known in all areas but it should do well within its recommended zones.
5. Fruit size is very large and attractive.
6. Fruit has excellent firmness and little to no picking scar; berry quality will not deteriorate under high temperatures.
7. Harvesting is done by hand but the bush may lend itself to mechanical harvesting.
8. Marketing of the fruit is done by fresh sales because of early ripening.
9. Ornamental use is good because it will produce fruit in the South without a pollinator.
10. The plant seems to do well in lighter soils where other cultivars will not grow well. O'Neal is the best of four southern highbush cultivars and are well adapted to the growing conditions in the Southeastern United States.

HARDINESS ZONE	
SOUTH	NORTH
10	7

PALOMA™

2004 Hartmann's Plant Company • BB-W-8000

1. Southern highbush cultivar hybridized and selected by Patrick J. Hartmann and Arthur Elliott of Earleton, Florida.
2. Plants are vigorous growing to 5 to 6 feet tall and finely shaped upright.
3. 30% of the fruits ripened April 12th in Earleton, Florida in 2004, ripening with other early ripening Florida selections.
4. Yields are high at 8 to 14 pounds per plant in Earleton, Florida. Foliage appears prior to flowering so there is no need for applications of Dormax.
5. Fruit size is medium and uniform size throughout the harvest.
6. Berry quality is excellent with a small dry scar. Storage of fruit is excellent and is very comparable to Misty Blue.
7. Harvesting can be done by hand or mechanical harvest. The upright growth habit and uniform ripening is a perfect choice for mechanical harvest.
8. Marketing is for early fresh markets due to the fruits superb quality flavor, size and early ripening time.
9. Plants have excellent resistance to Phytophthora cinnamomi and other fungal diseases. Plants are self-fruitful and will not need a pollinator as other Southern Highbush cultivars are recommended to need.

HARDINESS ZONE	
SOUTH	NORTH
9a	7b

POWDERBLUE

North Carolina State University • BB-W-5800

1. Rabbiteye type cultivar. Pollinating Group: D.
2. The height of a mature bush is 8-12 feet, upright and vigorous.
3. Ripening date is June 20 at Gainesville, Florida.
4. Yields of 8-14 pounds per bush can be expected on well-kept, irrigated plantings.
5. Fruit size is large with 75-80 berries per cup.
6. Berry quality is very good. The fruit is very firm and it is attractive in a fresh pack. The fruit is powder blue and stands out well among other blueberries. Fruit flavor is sub-acid with distinct blueberry taste.
7. Harvesting should be done by hand but the bush is adapted for mechanical harvesting.
8. Marketing should be focused on mid and late U-Pick, commercial fresh market or process.
9. Ornamental use is very good. The bush blooms well and the foliage is beautiful year round.
10. Powderblue should be considered a good pollinator and companion producer for Tifblue, Premier and Brightwell.

HARDINESS ZONE	
SOUTH	NORTH
9a	7b

PREMIER

North Carolina State University • BB-W-3700

1. Rabbiteye type cultivar. Pollinating Group: C and D.
2. The height of a mature bush is 6-10 feet, tall and upright.
3. Ripening date is May 28 at Gainesville, Florida.
4. Yields of 8-16 pounds per bush can be expected on well-kept, irrigated plantings.
5. Fruit size is large with 75-80 berries per standard cup.
6. Berry quality is very good and it stores very well.
7. Harvesting is done by hand but the bush is adapted for mechanical harvest.
8. Marketing should be focused on early U-Pick, commercial fresh market or processed.
9. Ornamental use is good; the bright green foliage during the summer makes the bush stand out. Premier seems to fruit some years without a pollinator, but never plant without a pollinator for commercial yields.

HARDINESS ZONE	
SOUTH	NORTH
9	7

PRINCE

USDA/ARS 2008 • BB-W9900

1. Rabbiteye type cultivar. Pollinating group A.
2. The height of a mature bush is 6 feet.
3. Fruit begins ripening with midseason low chilling highbush types, it is the earliest rabbiteye to harvest.
4. Yields have been consistent and are high 10 to 12 pounds per plant.
5. Quality of the fruits are excellent. The fruits medium sized are firm and have small dry scars; typical of new rabbiteye types. Flavor of the fruits have low acidity, mildly sweet.
6. Mechanical harvesting has not been trialed, since the medium sized fruits are of fine quality without scars, there is a good chance this could be conducive for mechanical harvest. This is an excellent berry for the hand harvest or u-pick.
7. The plants are very upright in stature. The growth is moderate, unlike most rabbiteyes. Plants are easily pruned due to the form of the plant.
8. Flowering occurs with other low chilling highbush types, so spring frost protection is recommended frosty areas.
9. Plants have been field tested by growers and ARS test plots to obtain all of the facts.
10. Availability of plants will be our 72 cell plug for spring of 2009 and all sizes in October of 2009.

HARDINESS ZONE
SOUTH NORTH
9 8

PROLIFIC

Hartmann's Plant Company • BB-W-5500

1. Rabbiteye type cultivar. Pollinate Group C and D.
2. Height of a mature plant is 5 to 6 feet.
3. Ripening date is May 20 in Earleton, Florida. This is considered an early ripening rabbiteye cultivar.
4. Yields are good, 8 to 12 pounds per plant. The fruit will ripen over a long period 4 to 5 weeks.
5. Fruit size is large with 160 berries per pound. The fruits hold the bright blue color after harvest, so they are attractive to the fresh market.
6. Berry quality is good due to the small stem scar and earliness of ripening. The flavor of the fruit is mildly sweet with stronger acid flavor. This attribute is a good baking berry.
7. Hand harvesting is recommended for the fresh markets and the U-Pick farms.
8. Marketing should be geared to the hand harvesting and the U-Pick trade due to the large fruit size and the long ripening period.

HARDINESS ZONE
SOUTH NORTH
8b 7b

REVEILLE

North Carolina State University • BB-W-7800

1. Southern highbush type cultivar. Involved are three different *Vaccinium* species from the southern U.S. *V. ashei*, *V. darrowi* and *V. tenellum*; in addition from the northern U.S. *V. corymbosum* and *V. angustifolium*.
2. Standard height 6 to 7 feet.
3. Ripening time is early. Most years it ripens earlier than O'Neal.
4. Yield is moderate but consistent yearly.
5. Quality of fruit is good and the fruit color is a beautiful powder blue. Picking scar is small which lends itself to good post harvest shelf life.
6. The bush adapts well to mechanical harvesting; this is the main reason for its release. Fruits of this cultivar mechanically harvested have been superior to hand harvested fruit of other North Carolina cultivars.
7. Plants are narrow and upright in growth habit. The plants are vigorous and adapt well to most soil types.
8. Plants have shown some resistance to stem canker, stem blight and mummy berry.
9. Bloom time is early so frost protection is recommended.

HARDINESS ZONE
SOUTH NORTH
10a 7b

SHARPBLUE

University of Florida—1984 • BB-W-3800

1. Highbush type cultivar. Pollinating Group: A.
2. Height of mature bush is 5 to 6 feet and is well proportioned. Sharpblue is fast growing and very vigorous.
3. Ripening date is April 27th at Gainesville, Florida.
4. Yields of 8-16 pounds per bush can be expected on well-kept, irrigated plantings.
5. Fruit size is large with 75-80 berries per standard cup.
6. Berry quality is fair to good. The fruit should be shipped the day it is harvested to ensure the best quality. The berry has a small picking scar.
7. Harvesting by hand is the only method used to date. The bush is suitable to mechanical harvesting.
8. Ornamental use is very good. The bush can be grown as an ornamental as far North as Zone 5 and South to Zone 10.
9. Sharpblue is the number one southern highbush blueberry planted in Florida. Testing should be done in other states to test hardiness and fruit production.

HARDINESS ZONE
SOUTH NORTH
10a 6b

SUNSHINEBLUE

Earleton, FL • BB-W-7900

1. Southern Highbush type cultivar hybridized and selected by Arthur Elliot and Patrick J. Hartmann in 1977.
2. A mature bush is 3-4 feet tall and wide.
3. Ripening date is May 10 through June 15 at Gainesville, Florida.
4. Yields 10 pounds of medium size fruits per plant.
5. Fruit size is 80 berries per standard cup.
6. Berry quality is good. Berries are very firm and can be stored for several weeks at 40 degrees F. (5 degrees C.)
7. Harvesting is done by hand.
8. The plant is the best ornamental for low chilling areas. Plants have slender foliage and long slender laterals that produce profuse amounts of pinkish white flowers.
9. Sunshineblue seems to tolerate higher pH soils better than all other Southern highbush and Rabbiteye types.

HARDINESS ZONE	
SOUTH	NORTH
9a	7b

TIFBLUE

Coastal Plains Experiment Station—Tifton, GA
BB-W-4100

1. Rabbiteye type cultivar. Pollinating Group: D.
2. The height of a mature bush is 8-14 feet, tall and vigorous.
3. Ripening date is June 18 at Gainesville, Florida.
4. Yields of 8-25 pounds per bush can be expected on well-kept, irrigated plantings.
5. Fruit size is large with 75-80 berries per standard cup.
6. Berry quality is good and firm.
7. Harvesting can be done by hand or mechanically.
8. Marketing should be focused on late U-Pick, commercial fresh market or processed.
9. Ornamental use is good. The plant is very upright and hardy.

NORTHERN-NEW BASE PRICES — 2009

*PLEASE DIRECT ALL ORDERS TO:
POST OFFICE BOX 100, LACOTA, MICHIGAN 49063-0100
(269) 253-4281, FAX (269) 253-4457*

HIGHBUSH CULTIVARS

ARLEN, BLUE CROP, BLUEGOLD, BLUE JAY,
BLUE RAY, BONUS, CARA'S CHOICE, COVILLE, CHANTICLEER,
DUKE, ELIZABETH, ELLIOTT, HANNAH'S CHOICE, HERBERT,
JERSEY, LEGACY, LITTLE GIANT, MEADER, NELSON,
NORTHLAND, PATRIOT, PINK CHAMPAGNE, RUBEL, SIERRA,
TORO, CHANDLER

	1" x 1" PLUG GROWN PLANT	6-10"	10-18"	#1 Container
100+	\$1.10	\$2.05	\$2.75	\$4.15

AURORA, DRAPER, LIBERTY

	1" x 1" PLUG GROWN PLANT	6-10"	10-18"	#1 Container
100+	\$1.20	\$2.60	\$3.10	\$4.60

Add \$.30 per plant for royalty charges for these 3 varieties.

LARGER PLANTS FOR GARDEN CENTERS AND FIELD REPLANTS

	ALL VARIETIES		
	#2 Container Grown	#3 Container Grown	#15 Container Grown
100+	\$7.35	\$10.40	\$28.55

This list cancels all previous lists and prices.

NORTHERN NEW BASE PRICES — 2009

PLEASE DIRECT ALL ORDERS TO:
POST OFFICE BOX 100, LACOTA, MICHIGAN 49063-0100
(269) 253-4281, FAX (269) 253-4457 (24 HOURS)

HALF HIGH - LOWBUSH - GROUND COVER SPECIES OF BLUEBERRY PLANTS

VACCINIUM PENNSYLVANIUM, TOP HAT, ORNABLU, LOWBUSH BLUEBERRY, ST. CLOUD*, NORTH BLUE*, NORTH SKY*, CHIPPEWA*, NORTH COUNTRY*, FRIENDSHIP**, POLARIS*, RUBY CARPET, BOG BILLBERRY

	1" X 1" PLUG GROWN PLANT	4" Container	#1 Container
100+	\$1.00	\$2.75	\$4.15

* Add 15% royalty fee

** Add \$.05 per plant royalty fee

This list cancels all previous lists and prices.

PLANT SIZE GUIDE

6"-10"=Field Ready, 1 year rooted cuttings

10"-18"=2 year branched

4" Container = 4" square pot.

1" X 1" Plug 2"-6" in height - unless otherwise specified

#1 Container=6" pot, #2 Container=8" pot, #3 Container=10" pot

#15 Container=15" pot

VARIETIES MAY BE MIXED FOR QUANTITY DISCOUNT

DISCOUNT PERCENTAGES

\$1,000.00	-	\$2,500.00	3% Discount
\$2,501.00	-	\$4,500.00	5% Discount
\$4,501.00	-	\$9,000.00	7% Discount
\$9,001.00	-	\$15,000.00	10% Discount
\$15,001.00	+		15% Discount

SOUTHERN NEW BASE PRICES — 2009

**PLEASE DIRECT ALL ORDERS TO:
POST OFFICE BOX 100, LACOTA, MICHIGAN 49063-0100
(269) 253-4281, FAX (269) 253-4457 (24 HOURS)**

**BRIGHTWELL, CLIMAX, COLUMBUS, POWDERBLUE,
PREMIER, PRINCE, PROLIFIC, SUNSHINEBLUE, TIFBLUE**

	1" X 1" PLUG		
	GROWN PLANT	6-10"	10-18"
100+	\$1.10	\$2.50	\$3.10

MISTY, O'NEAL, PALOMA™*, REVEILLE, SHARPBLUE, COLUMBUS

***Add 30¢ royalty per plant
Add 10¢ royalty per plant

	1" X 1" PLUG		
	GROWN PLANT	6-10"	10-18"
100+	\$1.20	\$2.60	\$3.20

**This list cancels all previous lists and prices.
VARIETIES MAY BE MIXED FOR QUANTITY DISCOUNT**

PLANT SIZE GUIDE

6"-10" = Field Ready, 1 year rooted cuttings

10"-18" = 2 year branched

1" X 1" Plugs = 2"-6" in height

DISCOUNT PERCENTAGES

\$1,000.00	-	\$2,500.00	3% Discount
\$2,501.00	-	\$4,500.00	5% Discount
\$4,501.00	-	\$9,000.00	7% Discount
\$9,001.00	-	\$15,000.00	10% Discount
\$15,001.00	+		15% Discount

PROPERTIES OF OUR PLANTS

1. Blackberries have the highest effect on reducing LDL levels.
2. Blueberries – USDA states a diet rich in blueberry extract reverses some loss of balance and coordination and improved short-term memory. The high levels of antioxidants in blueberries is favorable to prevent heart and cancer illnesses. In addition, the levels of antioxidants in the blueberries help in improving eyesight.
3. Raspberries – Drinking a tea made from leaves will aid in stomach aches.
4. Bearberry – The leaves aid in breaking up kidney stones and treating headaches.
5. Papaw – A broad-spectrum insecticide can be made from the twigs and bark of Papaw. Extracts from the plant indicate that the tree may contain potent anti-cancer drugs; a substance that kills leukemia cells in mice was also isolated.
6. Cranberry – The fruits have properties for aiding in urinary tract infections.
7. Kiwis contain high levels of Vitamin C.
8. Wild Ginger – The plant contains an anti-tumor compound named aristolochic acid. The root also relieves an upset stomach.
9. Lemon Grass – The plant parts contain the highest levels of Vitamin C.
10. Red Currants – The fruits promote an appetite and can be used for upset stomach.
11. Wintergreen – A leaf tea can be used as a gargle for sore mouth and throat.
12. Heather – A heather water bath will relieve rheumatic pain.
13. Angel Vine – The leaves are used on ointments, blisters, sores and for inflammation.
14. Gooseberry – The leaves can act as a wound dressing.

*Do not use these plant parts before consulting a physician.

NUTRITION

One 5-ounce serving of blueberries contains about 15 percent of the RDA of vitamin C. The same amount also provides 105 milligrams of potassium and contains 80 calories.

BIRD NETTING

Agriculturists ranging from field managers to backyard hobby farmers have found Internet Bird Netting to be virtually 100% effective in eliminating bird damage to a wide variety of crops.

Internet is a non-toxic, noiseless means of insuring increased yields. Lightweight, yet strong and easy to use. Fasten netting to frames with polyclips. Economical and long lasting. Some growers have used the same netting over eight consecutive seasons.

Bird net has proven effective on feed lots, pole barns, warehouses, graineries, farm storage areas—anywhere that nesting or roosting birds present a problem.

BIRD NETTING • HG-W-2000

Package Size	Price	Package Size	Price—FOB Michigan
14' x 25'	\$15.00	17' x 25'	\$ 17.50
14' x 50'	\$25.00	17' x 50'	\$ 30.00
14' x 100'	\$47.50	17' x 100'	\$ 57.50
14' x 200'	\$90.00	17' x 200'	\$ 107.00
14' x 5000'	\$1040.00**	17' x 5000'	\$ 1290.00**

POLY CLIPS - HG-W-2200—For use with installing netting—250 clips per case — \$120.00 case.

**FOB Minnesota

FOR YOUR INFORMATION

To acidify soil for blueberries and acid loving plants, granular sulphur is the recommended additive to your soil.

10 pounds—Sulphur—\$10.00
HG-W-1000

50 pounds—Sulphur—\$25.00
HG-W-5000

Blueberry and most acid loving plants need nitrogen and sulphur on a yearly basis. Ammonium Sulfate guaranteed analysis 21-0-0 is the best form of nitrogen and sulphur. Use the fertilizer sparingly to enhance the color and growth of the plants.

10 pounds—Ammonium Sulfate—\$10.00
HG-W-1100

50 pounds—Ammonium Sulfate—\$25.00
HG-W-5100

BOOKS

HIGHBUSH BLUEBERRY MANAGEMENT by Bob Gough. This new book written by Dr. Bob Gough is an excellent source of information on blueberries. Dr. Gough's writing is very comprehensible and all of the standard practical practices are written about our crop. The book is worth its weight in gold. HG-W-0100.

PRICE: Soft Copy \$29.95 plus shipping and handling

HIGHBUSH BLUEBERRY PRODUCTION GUIDE by Cooperative Extension. This new text compiled by the Cooperative Extension and University and the State Experimental Station is full of valuable information. Includes descriptions on diseases, harvesting techniques and cultivar descriptions. One nice part of the book is the color descriptions of all diseases and cultural practices that are used in the industry. HG-W-0200.

PRICE: \$55.00 plus shipping and handling

SMALL FRUIT CROP MANAGEMENT by Himmelrich and Galetta. *Small Fruit Crop Management* is a very intense, comprehensive book dealing with many fruits that we are all growing in the 90's, strawberries, raspberries, blackberries, currants, gooseberries, blueberries, cranberries, grapes, kiwi fruit, elderberries plus more! This is a well organized, excellent reference for all fruit growers, compiled carefully with current aspects, cultivars, cultural techniques of growing, and current techniques on pest and disease management. This book is a reliable updated source for information. *Small Fruit Crop Management* is remarkable and should be on the shelf of every grower or serious gardener. HG-W-0400.

PRICE: \$109.95 plus shipping and handling

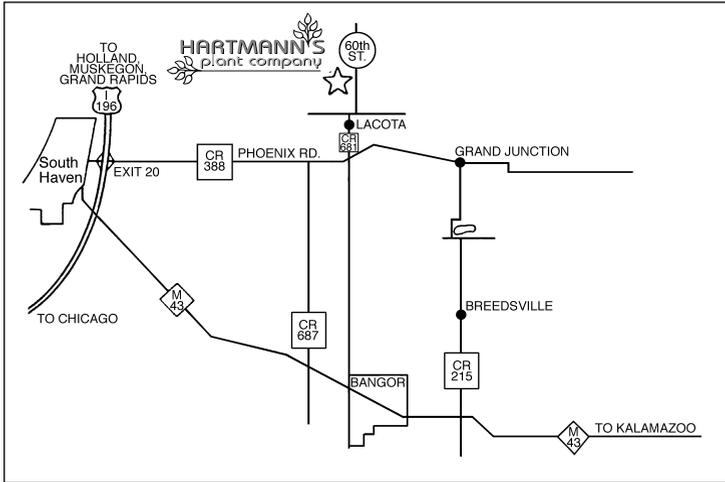
BRAMBLE PRODUCTION GUIDE by the Cooperative Extension. This guide is an excellent compilation of growing, harvesting and marketing ideas for any Bramble grower. The last pages include colored photos of diseases and cultural practices. HG-W-0500.

PRICE: \$55.00 plus shipping and handling

THE BERRY GROWERS COMPANION by Barbara Bowling. Hot off the press for 2001! When we read this book we knew we must share it with all of our fruit growers large and small. Ms. Bowling provides her hands on and professional experience from planting fruit plants all the way to harvesting. This excellent guide focuses on all berry crops and uses terminology that is as easy to read as it is to understand. HG-W-0600.

PRICE: \$19.95 plus shipping and handling

OUR LOCATION MAP



When you are in Southwestern Michigan be sure to stop in and see us.

We will be happy to show you around our company. Since we operate such a large business and are at times at a different location, we are not always near the office. So that we can serve you better and take time to answer your questions, we recommend that you call us and set up an appointment of an approximate time you will be arriving. This will help us a great deal in scheduling our time so we assure you a pleasant and informative visit.

We hope the enclosed map will be helpful in locating us. We are located 8 miles east of South Haven, then 3 miles north of Lacota on 60th street.

- *** Approximately 130 miles north of Chicago, IL.*
- *** Approximately 50 miles south of Grand Rapids, MI.*
- *** Approximately 60 miles north of South Bend, IN.*

IV

ORDERING & SHIPPING INFORMATION

SHIPPING

Please give shipping instructions and complete address (zip code, house number, street name, and telephone number). Let us know if you prefer UPS, Motor Freight, truck, etc. If no instructions are given, we will forward to the best of our judgement, without assuming responsibility. All shipments travel at the purchaser's risk and expense. All prices are F.O.B. Grand Junction, MI. We usually ship by U.P.S., except when orders exceed 500 pounds. Such orders are less expensive to ship by common carrier. Very large orders can be handled by your truck broker or we can negotiate a rate at our end.

Please advise us of an approximate shipping date. Otherwise, we will use our own judgement for your particular location. Our spring shipping season begins February 15, weather permitting until June 15th.

TERMS OF SALE - Unless credit has been approved, all sales are on a cash basis. Terms are 2% discount 10 days net 30 days. If you wish to establish credit with us, please let us know and we will forward you a credit application. Cash discount will be allowed only if all previous invoices have been paid. **OVERDUE ACCOUNTS** are subject to 1-1/2% per month service charge, plus cost of collection, if any.

GUARANTEE

LIMITED WARRANTY: We exercise the greatest care to keep our varieties true to name and we will replace, free of charge, nursery stock that is proven to be untrue to name, or refund the original amount paid, at our option. All claims must be made in the time and manner provided below. **THE FOREGOING WARRANTY IS EXCLUSIVE, AND WE HEREBY DISCLAIM AND EXCLUDE ALL OTHER WARRANTIES, WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

The remedies provided herein are the sole and exclusive remedies available. We shall have no responsibility other than, at our option, to replace nursery stock that is proven to be untrue to name, or to refund the original amount paid therefore. **IN NO EVENT SHALL WE BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF PROFITS) WHETHER BASED ON CONTRACT, TORT OR ANY OTHER LEGAL THEORY. IN NO EVENT SHALL WE BE LIABLE FOR ANY SUM GREATER THAN THE ORIGINAL PURCHASE PRICE,** and in the event that any limitation of warranty or disclaimer of liability is found to be unlawful or inapplicable, or to have failed of its essential purpose, our liabilities shall be limited to the amount paid for the specific nursery stock that caused such liability.

CLAIMS PROCEDURE - We do not anticipate any claims. However, if there is a problem, the following procedure will expedite your claim:

- 1) Examine and count all material immediately upon delivery.
- 2) As carriers are liable for transit damage, you must enter any damage on delivery receipt. All claims must be entered to carrier by consignee.
- 3) Within 24 hours, mail a statement of estimated loss to Hartmann's Plant Company or call our office with the information.
- 4) Always identify problems by size, variety, and more important, by applicable Confirmation/Invoice number.
- 5) We are not liable, in any event, for more than the replacement cost of each plant.
- 6) Plant warranty: 3 weeks after shipment. After this period the warranty is void.