

CERTIFIED ORGANIC SEED FOR SPRING 2020

Viking hybrid corn – selected varieties <i>Organic!</i>	230.00/bag
Wapsie Valley Open Pollinated corn (87 day, best for silage) <i>Organic!</i>	\$180/bag
** Blue River & other Viking corn hybrids available on a custom order basis only, must be ordered by March 1 **	
Soybean – Boyd – our own variety (1.9) <i>Organic!</i>	\$42/50#
Soybean - Viking 1518 (1.5), 1706 (1.8), 2155 (2.1) <i>Organic!</i>	\$45/140,000 seeds
** Blue River soybean & other Viking varieties available on a custom order basis only, must be ordered by March 1 **	
Alfalfa – Viking 3800 (multi-disease resistance) <i>Organic!</i>	\$260.00/50#
Alfalfa – 372HD (top of the line!) <i>*conventional untreated only</i>	\$245.00/50#
** Blue River & and other Viking alfalfa varieties available on a custom order basis only, must be ordered by March 1 **	
Oats – Hayden (mid-season/medium height) <i>Organic!</i>	\$25/50#
Oats – Deon (late-season, tall) <i>Organic!</i>	\$25/50#
Oats – Esker2020 (midseason) <i>Organic!</i> (48 lb bag)	\$25/48#
Oats – Keuka – our own variety (suitable for grain or forage) <i>Organic!</i>	\$23/50#
Oats – Streaker Hull-less <i>Organic!</i> (48 lb bag)	\$32/48#
Barley - Robust (spring, 6-row feed barley) <i>Organic!</i> (48 lb bag)	\$25/48#
Triticale - spring (grain or forage) <i>Organic!</i>	\$28/50#
Wheat - Shelly (hard red spring wheat - suitable for baking/milling) <i>Organic!</i>	\$30/50#
Rye – cover crop <i>Organic!</i>	\$25/50#
Peas – ‘4010’ purple forage pea <i>Organic!</i>	\$32/50#
Peas – ‘Delta’ yellow grain pea <i>Organic!</i>	\$32/50#
Peas – Austrian winter pea <i>Organic!</i>	\$48/50#
Buckwheat <i>Organic!</i>	\$38/50#
Clover – Medium Red (best for cover crop) <i>Organic!</i>	\$180/50#
Clover – ‘Manitoba’ (better for grazing, longer rotations) <i>Organic!</i>	\$200/50#
Clover - Alsike <i>Organic!</i>	\$150/50#
Clover - Yellow sweet <i>Organic!</i>	\$190/50#
Clover – ‘Rivendell’ (grazing white clover, much like Alice) <i>Organic!</i> (in 25 lb bags)	\$170/25#
Clover - Crimson <i>Organic!</i>	\$150/50#
Hairy Vetch <i>Organic!</i>	\$130/50#
Timothy – Climax <i>Organic!</i>	\$130/50#
BMR sorghum-sudangrass (‘Viking 200’ BMR 6) * <i>Organic! Limited supply</i>	\$TBD/50#
BMR sorghum-sudangrass(‘Viking 200’ BMR 6) * <i>conventional untreated</i>	\$90/50#
Organic Pasture/Hay Mix <i>Organic!</i> (25 lb bags)	\$110/25#
<i>smooth bromegrass, timothy, perennial & annual ryegrass, festilolium, meadow fescue</i>	
Orchardgrass – Niva (very late maturity, exc yield & hardness) <i>Organic!</i>	\$250/50#
Tall Fescue – Kora (drought tolerant, deep rooted exc yield, digestability) <i>Organic!</i>	\$220/50#
Meadow Fescue - Laura (high yield, quick establish, very palatable, tolerant of wet soils)	\$230/50#
Perennial Ryegrass – Tomaso <i>Organic!</i> (quick establish, best on heavy soil, late maturing)	\$180/50#
Annual (Italian) Ryegrass - <i>Organic!</i> (quick growth, great in new seedings, high yield)	\$90/50#
Festilolium – Perun <i>Organic!</i> (Meadow fescue x Italian ryegrass, quick establish, exc yield)	\$220/50#
Bromegrass - smooth <i>Organic!</i> (excellent persistence, best for heavier soil)	\$220/25#
Tillage Radish– <i>Organic!</i>	\$165/50#
Birdsfoot Trefoil <i>*conventional untreated only</i>	\$230/50#
Yellow Mustard (cover crop) <i>*conventional untreated only</i>	\$70/50#
Japanese Millet <i>*conventional untreated only</i>	\$55/50#
Reed Canarygrass <i>*conventional untreated only</i>	\$170/50#
Turnip – Barkant Forage <i>*conventional untreated only</i> (48 lb bag)	\$60/25#
Sunflower – Daytona <i>Organic!</i> (custom order only)	\$250/175,000 seeds
Sunflower – Peredovik <i>*conventional untreated only</i>	\$40/50#

Organic sweet corn, & other wheat and barley varieties must be custom ordered by March 1

Every year, we carefully review and select several corn and soybean varieties that we feel are well-suited to conditions in New York/Northeast, with appropriate maturity, disease/stress resistance, versatility and yield potential. These varieties we will stock as inventory.

Variety (maturity days)	price/ bag
Corn – Viking O58-85 ‘Pure’ (80 day)	\$230.00 /80,000 kernel (grain)
Corn – Viking 045-88 ‘Pure’ (88 day)	\$230.00 /80,000 kernel (grain)
Corn - Viking 031-91 ‘Pure’ (91 day)	\$230.00 /80,000 kernel (silage/grain)
Corn - Wapsie Valley OP graded	\$180.00/50 lb bag
Corn – Wapsie Valley OP ungraded	\$40.00/50 lb bag (summer forage similar to sorghum sudangrass)
Soybeans – Boyd (group 1.9)	\$42.00/50 lb bag
Soybeans –Viking 1518 (group 1.5)	\$45.00/140,000 seed count
Soybeans –Viking 1706 (group 1.6)	\$45.00/140,000 seed count
Soybeans –Viking 2155 (group 2.2)	\$45.00/140,000 seed count

**** Please note - Blue River corn, soybean and alfalfa varieties are available ONLY on a custom order basis this year, and must be ordered by March 1 ****

Early payment discounts – corn & soybeans - 5% by 12/31/19, 4% by 1/31/20, 2% by 2/28/20
All other seed – 5% by 12/31/19

Volume discounts	Corn 20-49 bags - \$2.00/bag	Corn 50-99 bags - \$2.50/bag
	Soybeans 40-99 bags - \$0.50/bag	Soybeans 100-150 bags - \$0.75/bag
	Soybeans > 150 bags - \$1.00/bag	

CORN

Viking 58-85 (85 day) – “Pure” – extremely high yield potential, exc. emergence/early growth, dual purpose

Viking 45-88 (88 day) – “Pure – excellent yield, strong drought/stress tolerance, exc. emergence, high test weight

Viking 31-91 (91 day) – “Pure” –rugged, excellent emergence/early growth, stress tolerant, silage & grain high yield

**** More Viking corn hybrids and all Blue River Hybrid varieties available on a custom order basis, ordered by March 1 ****

Open Pollinated Wapsie Valley - (87 day) tall, improved excellent OP , best for silage, yellow & red kernels

****** After trying this out last year on our farm, we are recommending planting inexpensive ‘ungraded’ Wapsie Valley corn in early summer for a quick high tonnage and quality annual forage, to be harvested and ensiled like BMR sorghum sudan. It works well mixed with BMR for increased tonnage. Plant at 20-30 lb/A for best yield ******

SOYBEANS

Viking 1518 Soybeans (1.5) –high yielding early variety, strong emergence, excellent disease resistance, black hilum

Viking 1706 soybeans (1.6) – *favorite!* very high yielding black hilum, widely adapted, consistent and reliable

Viking 2155 soybeans (2.1) –*great new variety!* Outstanding yield potential, excellent disease resistance, brown hilum

**** More Viking soybeans and all Blue River Hybrid varieties available on a custom order basis, ordered by March 1 ****

Boyd (1.9) – **** Boyd soybeans are in good supply this year! ****

Boyd is our own variety, very tall, large bushy plant, clear hilum, branching, high-set pods, strong yield, widely adaptable, and has proven very reliable for many years. Nearly 30 years ago, Klaas noticed one significantly different off-type plant growing in a field, leapt off the combine, grabbed it, and then tested it in the garden for the next few years. In the process, he contacted a Cornell plant breeder for advice, and then . . . he married her. Since then, Boyd has been grown very widely, and has proven particularly well adapted to organic conditions with a large bushy plant well suited for grain and forage, that closes the rows and controls weeds quickly.

**** And finally, let’s say it one more time - custom and special orders must be placed by no later than March 1! ***

**Organically-approved non-GMO Rhizobium inoculant is available for alfalfa/clover, pea/vetch, and soybeans*

We also have other types of conventional untreated grasses and forages.

All prices cash, FOB at Lakeview Organic Grain, Penn Yan, NY

‘Hayden’ Oats – Top yields and high test weights, medium maturity, medium tall height, excellent quality grain, strong rust resistance, white seed

‘Deon’ Oats – very high yielding, late maturity, medium tall height, good standability, very disease resistant, very strong rust resistance, yellow seed

‘Keuka’ Oats – Our own variety, mid-season, a large leafy plant, highly suitable for grain or forage, high grain yield, good disease resistance, a consistent solid oat with years of good performance in New York

‘Eske2020’ Oats – An improved version of the long-time favorite, Eske oats, with superior yield potential, test weight, and disease resistance. Very good rust resistance. Medium tall, mid-season.

‘Streaker’ hull-less oats – a true hull-less oat for food or feed use, excellent test weight, very high grain yield, tall plant, excellent disease resistance.

‘Robust’ Spring Barley – a good midseason 6-row feed grade barley with high yield, good test weight and lodging resistance. **‘Conlon’ spring barley** 2 row malting barley is available by custom order only.

‘Shelly’ Spring Wheat a hard red spring wheat, high yielding, average protein, good disease resistance, shorter height, good standability, late maturing (Glenn wheat is not available in 2020)

Spring Triticale – taller and leafier than wheat and oats, disease resistant, beardless (awnless), with higher protein and more feed value when chopped for forage. Great as a feed grain, but even better in a forage mix with peas, late maturity for longer forage harvest window, also great as a covercrop.

Alfalfa - Viking 3800, a highly disease resistant-resistant variety with excellent yields, fast establishment, quick recovery, and good tolerance to wetter soils. Medium resistance to potato leafhopper. **Additional varieties of alfalfa will be available as conventional untreated.**

Buckwheat – prized as a cover crop for weed and disease control, and nutrient cycling on organic farms. Can also be used as a forage. This variety is not for food-grade buckwheat contracts.

Yellow mustard - we have been experimenting with yellow mustard as a short-term early season cover crop to clean up weed and soil disease problems. What a difference this has made when grown before a crop of dry beans – probably many veggies would benefit!

‘Delta’ Yellow grain field peas – early maturing high yielding yellow peas, works best with support of early oats or spring barley for high grain yield and quality. Can be successful as forage if there is sufficient moisture.

‘4010’ Purple Forage Peas – lush large leafy plants that produce excellent quality and quantity of highly palatable forage and cover crop, purple peas are best when grown with a small grain like triticale for support.

Austrian Winter Peas – amazing large leafy plants that produce excellent quality and quantity of forage. Winter peas are not only hardy over the winter, but also appear to be more drought/heat tolerant during the summer than the 4010 forage peas. Be sure to eat the shoots – they are delicious!

Medium Red Clover – Many organic farmers frost seed all their small grains with a red clover cover crop. This provides good ground cover after the small grain is harvested with generous organic matter and nitrogen production. Clover is also a valuable pasture and hay species. **Organic ‘vns’ red clover** is well suited for cover crop underseeding, while **‘Manitoba’ clover** is an improved longer lasting grazing clover variety with excellent forage quality and yield, excellent disease resistance, and very good winter survival.

We also have other clover types, such as **Ladino white clover** – a grazing white clover similar to Alice with improved winter hardiness and disease resistance. **Alsike, crimson and yellow blossom sweet** as organic seed, and **Dutch white, mammoth and berseem** as conventional untreated seed. For vegetable row-middles, we recommend **Dutch white clover** which is non-competitive and stands up well to traffic.

Hairy Vetch – normally planted in the fall, this biennial legume produces large amounts of organic matter and nitrogen early in the season, often used as a cover/green manure crop, often companion cropped with rye for overwinter cover, can become a serious weed problem, especially on farms producing wheat and other small grains.

Viking 200 BMR Sorghum Sudangrass (BMR 6) – an exceptional warm-season forage, producing large quantities of highly palatable and digestible forage. Can be chopped, grazed or round-baled. Plant June - July for late summer/fall use. Works well in mixtures with small grains and peas. There is only a limited amount of organic seed, and then we will have conventional untreated.

‘Climax’ Timothy – a high quality, high-sugar grass for hay or pasture, works best with alfalfa or clover. Very winter hardy, tolerant of wet soils, but not very drought tolerant. Best for hay. If grazed, use care to prevent overgrazing.

Japanese Millet – upright, warm season annual Grass with rapid growth, 2-3 possible cuttings, no danger of prussic acid poisoning, productive in heavy soils, protein 14-20%

RECOMMENDED SEEDING RATES

<i>Crop</i>	<i>wt/bu</i>	<i>Seeding Rate/A</i>	<i>Seeding Depth</i>
Oats	32 lb/bu	75 - 100 lb/A (2-3 bu)	1-2"
Spring Wheat	60 lb/bu	120 - 160 lb/A	1 - 2"
Spring Barley	48 lb/bu	116 - 164 lb/A (2.5 - 3 bu/A)	1-2"
Spring Triticale	56 lb/bu	100-125 lb/A (75 lb/A with peas)	1-2"
Buckwheat	50 lb/bu	40 - 60 lb/A	0.5 - 1.5"
Hull-less oats	50 lb/bu	80 - 96 lb/A	1-2.5"
Triticale/Pea	52 lb/bu	120 - 150 lb/A total (75 lb each)	1 - 2.5"
Field peas	60 lb/bu	75 lb/A if grown with small grain 150 lb/A if grown alone	1-2"
Hybrid Corn	56 lb/bu	25000-30000 seeds/A (3 acres/bag)	1.5-2.5"
Open Pollinated corn	56 lb/bu	18000-22000seeds/A (3 acres/bag)	1.5-2.5"
Soybeans	60 lb/bu	50-90 lb/A depending on seed size	1-2"
Medium Red Clover	60 lb/bu	8 - 15 lb/A	frost seed - 0.5"
Alfalfa	60 lb/bu	12 - 20 lb/A	0.25 - 0.5"
Timothy	45 lb/bu	2 - 8 lb/A	0.25 - 0.5"
Alice white clover	60 lb/bu	2 - 5 lb/A	frost seed - 0.5"
BMR Sorghum Sudangrass	45 lb/bu	25 - 35 lb/A	1 - 1.5"
Orchardgrass, Fescue	30 lb/bu	4 - 12 lb/A	1 - 1.5"
Bromegrass, Ryegrass	30 lb/bu	4 - 12 lb/A	1 - 1.5"
Festilolium	30 lb/bu	4-12 lb/A	1 - 1.5"
Reeds Canarygrass	52 lb/bu	6 - 12 lb/A	0.5 - 1"
Birdsfoot Trefoil	60 lb/bu	4 - 10 lb/A	0.25 - 0.50"
White Clover	60 lb/bu	2 - 8 lb/A	0.25 - 0.50"
Hairy Vetch	60 lb/bu	20 - 40 lb/A	0.25 - 0.50"
Mustard (cover crop)	60 lb/bu	7 - 15 lb/A	frost seed -0.75"
Pasture/Hay Mix	6-10#/A with alfalfa or clover		

SHIPPING OPTIONS - we offer the following seed shipping options:

You pick it up – always the cheapest, but please always call 24 hours in advance so we can have your order ready for you!

Teals Express – a really great family-owned trucking company out of Watertown, they ship pallets throughout the northeast. Most places will cost around \$160/pallet (up to 2500 lb per pallet) for farm delivery, your forklift unload.

YRC, Rist or FedEx – for pallet (LTL) delivery outside the Northeast, rates vary with location. Call for a quote.

UPS – delivery in 2 days, only cost effective for 6 bags or less. The UPS charge is usually about \$25/bag.

Wilson Transport – a great family company out of Arcade doing a pallet delivery route from the I-81 corridor west to past Buffalo. The delivery cost is \$40/up to 1000# or \$80/T. There is a first time charge of \$25 for all initial deliveries.

Our feed truck – we can sometimes deliver bags of seed to your farm or a farm near you when we make feed deliveries. Active feed customers take priority if space is limited. The delivery cost is \$1.50/ 50 lb bag.

