

## CERTIFIED ORGANIC SEED FOR SPRING 2017

Viking & Blue River hybrid corn <i>Organic! (coated seed by custom order)</i>	depends on variety
Cornell D2901 hybrid corn (90 day) <i>Organic!</i>	\$180/bag
Wapsie Valley Open Pollinated corn (87 day, best for silage) <i>Organic!</i>	\$150/bag
Soybean – Boyd – <i>our own variety</i> (1.9) <i>Organic! Very limited supply</i>	\$44/50#
Soybean - Viking Sheyenne (0.8), 1706 (1.8), 2265 (2.2) <i>Organic!</i>	\$45/140,000 seeds
Soybean - Blue River 12A2 (1.2) 17C2 (1.7) <i>Organic! (other varieties by custom order)</i>	\$48/140,000 seeds
Alfalfa – Viking 540LH ‘top of the line’ disease resistance & yield <i>Organic!</i>	\$295/50#
Alfalfa - Viking 340M (multi- disease resistant, multi-leaf) <i>Organic!</i>	\$260/50#
Alfalfa – Viking 300BR (branch root) – <i>*conventional untreated only</i>	\$230/50#
Oats – Kame (NY Certified Seed - "Blue Tag Organic") <i>Organic!</i>	\$26/50#
Oats – Leonard (suitable for grain or forage) <i>Organic!</i>	\$23/50#
Oats – Keuka – <i>our own variety</i> (suitable for grain or forage) <i>Organic!</i>	\$23/50#
Oats – Guyanoga Brand (suitable for covercrop) <i>Organic!</i>	\$23/50#
Oats – Streaker Hull-less <i>Organic!</i>	\$34/48#
Barley - Robust (spring, 6-row feed barley) <i>Organic!</i>	\$29/48#
Barley – Pinnacle (spring, 2-row barley, best for malting) <i>Organic!</i>	\$30/48#
Triticale - Trical 141 (grain or forage) <i>Organic!</i>	\$30/50#
Wheat - Glenn (hard red wheat - suitable for baking/milling) <i>Organic!</i>	\$30/50#
Rye – cover crop <i>Organic!</i>	\$30/50#
Peas – ‘4010’ purple forage pea <i>Organic!</i>	\$40/50#
Peas – ‘Montech’ yellow grain pea <i>Organic!</i>	\$40/50#
BMR sorghum-sudangrass (‘Viking 200’ BMR 6) <i>*conventional untreated only</i>	\$55/50#
Buckwheat <i>Organic!</i>	\$40/50#
Clover – medium red (best for cover crop) <i>Organic!</i>	\$190/50#
Clover – ‘Freedom’ (better for grazing, longer rotations) <i>Organic!</i>	\$200/50#
Clover - Alsike <i>Organic!</i>	\$210/50#
Clover - Yellow sweet <i>Organic!</i>	\$135/50#
Clover – ‘Rivendell’ (grazing white clover, much like Alice) <i>Organic! (in 25 lb bags)</i>	\$210/25#
Hairy Vetch <i>Organic!</i>	\$150/50#
Organic Pasture Mix <i>(in 25 lb bags) Organic!</i> <i>bromegrass, timothy, perennial &amp; annual ryegrass, festilolium, meadow fescue</i>	\$110/25#
Timothy – Climax <i>Organic!</i>	\$160/50#
Perennial Ryegrass – Calibra <i>Organic!</i>	\$240/50#
Festilolium – Perun <i>Organic!</i>	\$240/50#
Bromegrass - smooth <i>Organic!</i>	\$130/25#
Orchardgrass – Niva <i>Organic!</i>	\$280/50#
Tall Fescue – Kora <i>Organic!</i>	\$280/50#
Meadow Fescue – Laura <i>Organic!</i>	\$280/50#
Tillage Radish- <i>Organic!</i>	\$230/50#
Birdsfoot Trefoil <i>*conventional untreated only</i>	\$230/50#
Yellow Mustard (cover crop) <i>*conventional untreated only</i>	\$90/50#
Japanese Millet <i>*conventional untreated only</i>	\$32/50#
Reed Canarygrass <i>*conventional untreated only</i>	\$210/50#
Forage turnip <i>*conventional untreated only</i>	\$105/25#

*\*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**

❀❀ 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.

However, if other varieties in the Viking/Albert Lea or Blue River catalogs appeal more to you, those can be ordered by no later than March 1 as a custom order ❀❀

Variety (maturity days)	price/ bag
Corn – Viking 087-80 ‘Pure’ (80 day)	\$210.00 /80,000 kernel (grain)
Corn – Viking 058-85 ‘Pure’ (85 day)	\$215.00 /80,000 kernel (silage/grain)
Corn – Viking 045-88 ‘Pure’ (88 day)	\$215.00 /80,000 kernel (grain)
Corn - Viking 088-91 ‘UltraPure’ (91 day)	\$235.00 /80,000 kernel (grain)
Corn - Viking 031-92 ‘Pure’ (92 day)	\$215.00 /80,000 kernel (silage/grain)
Corn – Blue River 21A10 (85 day)	\$220.00/ 80,000 kernel (grain)
Corn – Blue River 26A17 (88 day)	\$220.00/ 80,000 kernel (grain)
Corn – Wapsie Valley (87 day)	\$150/80,000 kernel (silage)
Corn – Cornell D2901 hybrid (90 day)	\$160/80,000 kernel (grain/silage)
Soybeans – Boyd (group 1.9)	\$44/50 lb bag
Soybeans –Viking Sheyenne (group 0.8)	\$45/140,000 seed count
Soybeans –Viking 1706 (group 1.6)	\$45/140,000 seed count
Soybeans –Viking 2265 (group 2.2)	\$45/140,000 seed count
Soybean – Blue River 12A2 (group 1.2)	\$48/140,000 seed count
Soybean – Blue River 17C2 (group 1.7)	\$48/140,000 seed count

Early payment discounts – corn & soybeans - 5% by 12/31/14, 4% by 1/31/15, 2% by 2/28/15  
All other seed – 5% by 12/31/14

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 87-80 (80 day)** – “Pure” - good yield potential, strong drought/stress tolerance, excellent drydown

**Viking 58-85 (85 day)** – “Pure” – excellent yield, good drought/stress tolerance, dual purpose, replaces 44-86

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

**Viking 88-91 (91 day)** – “Ultra-Pure” – excellent yield, excellent drought/stress tol, strong healthy widely adapted

**Viking 31-92 (92 day)** – “Pure” – very rugged, excellent early growth, large tall high tonnage silage with good grain

**Blue River 21A10- (85 day)** –Medium tall plant, very good yield potential, dual purpose, excellent plant health

**Blue River 26A17- (88 day)** – strong yield, early season vigor, excellent stress tolerance and dry down

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

**Cornell D2901 (90 day)** –exciting new hybrid from the Cornell corn breeding program, strong, healthy, high yield, high test weight, large plant, suitable for grain or silage. Performs best on more fertile, well drained sites. Many thanks to Dr. Margaret Smith, our own New York corn breeder *extraodinaire* at Cornell University, for this!

## SOYBEANS

**Viking Sheyenne Soybeans (0.8)** –high yield for early maturity, yellow hilum, good standability

**Viking 1706 soybeans (1.6)** –*favorite!* very high yielding black hilum, widely adapted, disease resst, bushy big plant

**Viking 2265 soybeans (2.2)** –*favorite!* extremely high yield, medium tall bushy plant, excellent disease resistance

**Blue River 12A2 (1.2)** – *early favorite!* excellent yields, dark hilum, widely adaptable, strong disease resistance

**Blue River 17C2 (1.7)** –*favorite!* excellent yields, dark hilum, strong disease resistance, stress tolerance

**Boyd (1.9)** – *\*\* Boyd soybeans are very limited supply this year, so order yours early! \*\**

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 that closes the rows and controls weeds quickly.



## OTHER SEED

**'Kame' Oats** – (Blue Tag Organic) A modern early - season oat, also out of the Wisconsin breeding program, with consistently high yields and performance. High test weight with good disease resistance

**'Leonard' Oats** – an older variety, Leonard makes a strong tall plant, the highest potential yield, late maturity, medium height with lodging resistance, disease resistance, good straw. Can also be used as a forage oat

**'Keuka' Oats** – we're excited that Keuka is back again! Mid-maturity, a large leafy plant, highly suitable for grain or forage, high grain yield, disease resistant, a consistent solid oat with years of good performance in New York

**'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. **'Pinnacle' spring barley** is a new 2-row spring malting barley from North Dakota, superior to Conlon in standability, yield, and disease resistance.

**'Glenn' Spring Wheat** a hard red wheat highly rated for flour milling with high yield and very high test weight and protein. Glenn is medium height, excellent strong straw for lodging resistance. Glenn has been very promising in NY organic food wheat trials, appearing to be moderately resistant to scab/vomatoxin and leaf rust, with desirable protein and test weight.

**'Trical 414' Spring Triticale** – taller and leafier than wheat and oats, disease resistant, beardless, 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, great as a covercrop. Triticale is highly adaptable and successful on most farms and environments.

**Alfalfa** - Organic alfalfa seed is in very short supply this year, but we will have **Viking 340M**, a high quality multileaf alfalfa with high feed value, good disease resistance and yields. Also, **Viking 540LH**, a leaf hopper-resistant variety with excellent yields, fast establishment, quick recovery, and good tolerance to wetter soils. **Viking 300BR** is a conv untrt variety with the branch-rooted characteristic that does better in wet heavy soils or high traffic areas. It is also highly resistant to root diseases. All alfalfa seed will be treated with **Apex Green**, an OMRI approved seed coating that enhances water uptake, seedling survival, seed-to-soil contact, and reduces seedling rots.

**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!

**'Monotech' 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** – amazing large leafy plants that produce excellent quality and quantity of highly palatable forage, purple peas, best when grown with a small grain like triticale for support.

**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 **'Freedom' 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 **Rivendell white clover** – a grazing white clover similar to Alice with improved winter hardiness and disease resistance. **Alsike** and **Yellow blossom sweet** as organic seed, and **plus Dutch white, crimson, ladino, mammoth and berseem** as conventional untreated seed.

**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. Due to adverse production conditions in Texas in 2016, we will only have conventional untreated seed for Viking 200 in 2017.

**'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.

## 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	1-2"
Spring Triticale	56 lb/bu	100-125 lb/A	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	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 \$140/pallet (up to 2500 lb per pallet) for farm delivery (fork lift unload assumed)

**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/bag.



