CERTIFIED ORGANIC SEED FOR SPRING 2018

Viking & Blue River hybrid corn Organic!
Cornell D2901 hybrid corn (90 day) Organic!
Wapsie Valley Open Pollinated corn (87 day, best for silage) Organic!
Soybean – Boyd – *our own variety (1.9) Organic!
Soybean - Viking 1202 (1.2), 1706 (1.8), 2265 (2.2) Organic!
Soybean - Blue River 17C2 (1.7) Organic! (other varieties by custom order)
Alfalfa – Viking 372HD ‘top of the line’ disease resistance & yield *conv untreated only $230.00/50#
Alfalfa - Viking 340M (multi- disease resistance, multi-leaf) Organic! $260.00/50#
Alfalfa – Viking 3800 (multi-disease resistance) $275.00/50#

Oats – Reins (early season/short) Organic! $25/50#
Oats – Hayden (mid-season/medium height) Organic! $25/50#
Oats – Deon (late season/tall) Organic! $25/50#
Oats – Keuka – *our own variety (suitable for grain or forage) Organic! $23/50#
Oats – Streaker Hull-less Organic! $34/48#

Barley - Robust (spring, 6-row feed barley) Organic! (48 lb bag) $26/48#
Barley – Conlon (spring, 2-row barley, best for malting) Organic! (48 lb bag) $30/48#
Triticale - Surge (grain or forage) Organic! $28/50#
Wheat - Glenn (hard red wheat - suitable for baking/milling) Organic! $28/50#
Rye – cover crop Organic! $25/50#

Peas – ‘4010’ purple forage pea Organic! $32/50#
Peas – ‘Admiral’ yellow grain pea Organic! $32/50#
BMR sorghum-sudangrass (‘Viking 200’ BMR 6) * Organic! $95/50#
Buckwheat Organic! $35/50#
Clover – medium red (best for cover crop) Organic! $180/50#
Clover – ‘Manitoba’ (better for grazing, longer rotations) Organic! $200/50#
Clover - Alsike Organic! $210/50#
Clover - Yellow sweet Organic! $135/50#
Clover – ‘Rivendell’ (grazing white clover, much like Alice) Organic! (in 25 lb bags) $190/25#
Clover - Crimson Organic! $160/50#
Hairy Vetch Organic! $150/50#
Timothy – Climax Organic! $150/50#
Organic Pasture/Hay Mix (in 25 lb bags) Organic! $110/25#

Orchardgrass – Niva Organic! $250/50#
Tall Fescue – Kora Organic! $250/50#
Meadow Fescue – Laura Organic! $220/50#
Perennial Ryegrass – Calibra Organic! $220/50#
Festilolium – Perun Organic! $220/50#
Brome grass - smooth Organic! $180/25#
Tillage Radish– Organic! $195/50#

Birdsfoot Trefoil *conventional untreated only $230/50#
Yellow Mustard (cover crop) *conventional untreated only $90/50#
Japanese Millet *conventional untreated only $35/50#
Reed Canarygrass *conventional untreated only $210/50#
Forage turnip *conventional untreated only $105/25#

Organic sunflower, sweet corn, & other wheat and barley varieties must be custom ordered by 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.
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 087-80 ‘Pure’ (80 day) | $210.00 /80,000 kernel (grain)
Corn – Viking 045-88 ‘Pure’ (88 day) | $210.00 /80,000 kernel (grain)
Corn - Viking 071-90 ‘UltraPure’ (90 day) | $220.00 /80,000 kernel (grain)
Corn - Viking 031-92 ‘Pure’ (92 day) | $210.00 /80,000 kernel (silage/grain)
Corn – Blue River 21L90 (88 day) | $240.00/ 80,000 kernel (silage)
Corn – Wapsie Valley (87 day) | $150/80,000 kernel (silage)
Corn – Cornell D2901 hybrid (90 day) | $160/80,000 kernel (grain/silage)
Corn – Wapsie Valley ungraded (87 day) | $40.00/50 lb bag (summer forage similar to sorghum sudan)

| Soybeans – Boyd (group 1.9) | $42.00/50 lb bag
Soybeans – Viking 1202 (group 1.2) | $45.00/140,000 seed count
Soybeans – Viking 1706 (group 1.6) | $45.00/140,000 seed count
Soybeans – Viking 2265 (group 2.2) | $45.00/140,000 seed count
Soybean – Blue River 17C2 (group 1.7) | $50.00/140,000 seed count

Early payment discounts – corn & soybeans - 5% by 12/31/17, 4% by 1/31/18, 2% by 2/28/18
All other seed – 5% by 12/31/17

### 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 45-88 (88 day)** – “Pure – excellent yield, strong drought/stress tolerance, strong emergence, high test weight
**Viking 71-90 (90 day)** – “UltraPure” – excellent yield, excellent drought/stress & disease tolerance, heavy test wt, tall
**Viking 31-92 (92 day)** – “Pure” – very rugged, excellent early growth, large tall high tonnage silage with good grain

**Other Viking corn hybrids available on a custom order basis, must be ordered by March 1**

**Blue River 21L90- (85 day)** –very early floury silage type, excellent seedling vigor, excellent digestibility

**Other Blue River corn hybrids available on a custom order basis, must be 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**

**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 1202 Soybeans (1.2)** –very high yield, excellent disease rest, big bushy plant, good protein, brown hilum

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

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

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

**Other Viking and Blue River soybean varieties available on a custom order basis, must be 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 that closes the rows and controls weeds quickly.
OTHER SEED


‘HAYDEN’ Oats – Top yields and test weights, medium maturity, medium tall height, excellent quality grain, very good rust resistance, white seed

‘DEON’ Oats – very high yielding, late maturity, medium tall height, good standability, very disease resistant, esp to rust, yellow seed

‘KEUKA’ Oats – Our own variety Mid-maturity, 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

‘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, mid season, low protein.

‘Glenn’ Spring Wheat a hard red wheat highly rated for flour milling with high yield and very high test weight and protein. 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.

‘Surge’ 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 – Organic alfalfa seed is in very short supply this year, but we will have Viking 340M, a high quality multileaf alfalfa with high seed value, good disease resistance and yields. Also, Viking 3800, a highly disease resistant-resistant variety with excellent yields, fast establishment, quick recovery, and good tolerance to wetter soils. Viking 300BR is a conv untr/var with the branch-rooted characteristic that does better in wet heavy soils or high traffic areas. It is also highly resistant to root diseases. Viking 372HD – conv untreated, top of the line disease resistance of highest yield potential. Excellent winter hardiness. 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!

’Admiral’ or ‘Montech’ 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 ‘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 Rivendell 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, ladino, mammoth and berseem as conventional untreated seed. For vegetable row-middles, we recommend Dutch white which is non-competitive and stands up 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. We plan to have organic BMR SS back this year, finally!

’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**

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