

# CLOVERLAND AG SERVICE LLC

MILLERSBURG, OHIO | 330-231-4484

PURVEYOR OF QUALITY ORGANIC AND NON-GMO SEEDS AT LOW PRICES

**WE WANT  
TO EARN YOUR  
BUSINESS!**

Visit [cloverlandagservice.com](http://cloverlandagservice.com)  
to download our entire catalog

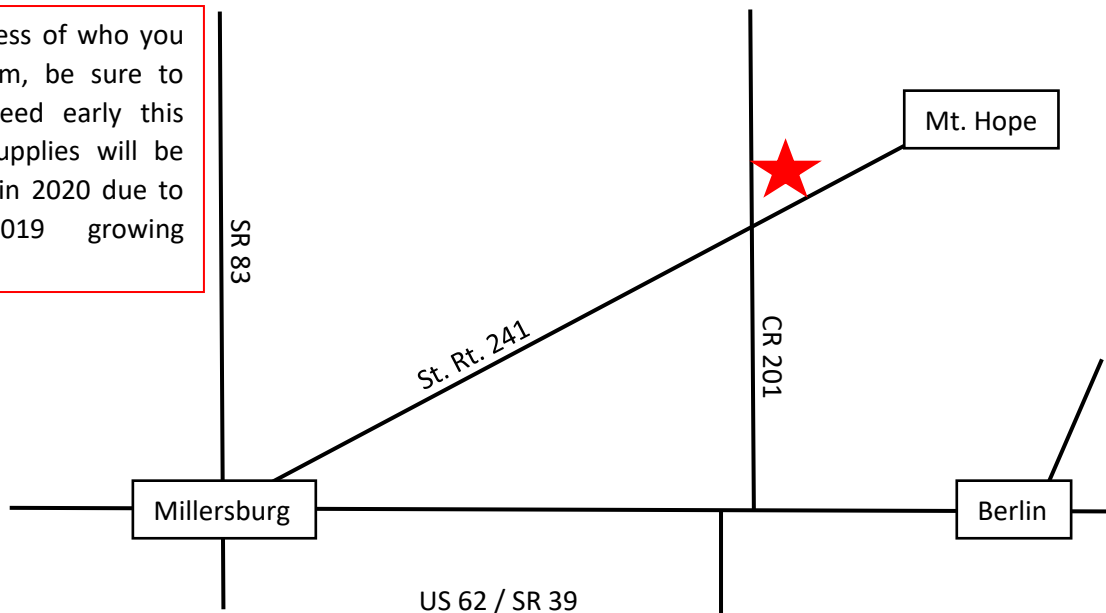
**TO ORDER – CALL:**  
330-231-4484 or 330-231-4483  
**E-MAIL:**  
[jshennis@cloverlandagservice.com](mailto:jshennis@cloverlandagservice.com)  
**WRITE:**  
**CLOVERLAND AG SERVICE LLC**  
6330 Township Road 309  
Millersburg, Ohio 44654

**WAREHOUSE FACILITY at**  
7422 COUNTY ROAD 201  
MILLERSBURG, OHIO 44654  
Pick-up by appointment only  
**DIRECT SHIPMENT &  
DELIVERY AVAILABLE**

We hope you have a blessed  
and fruitful growing season!  
- Kevin and Sue



Regardless of who you buy from, be sure to order seed early this year! Supplies will be limited in 2020 due to the 2019 growing season.



## We Offer:

**Organic and Non-GMO Seed by the Bag or by the Pound**

**Custom Pasture, Forage, and Cover Crop Mixes**

**\$5/Bag Cloverland Anytime Discount on Corn and Alfalfa Seed**

**Free Seed Delivery within 75 miles**

**Nationwide Shipping**

**Cloverland Ag Service LLC is a Certified Organic Handler (OEFFA)**

## **CLOVERLAND AG SERVICE LLC 2020 PRODUCT LIST**

### **CERTIFIED ORGANIC ALFALFAS-Preinoculated**

<b><u>VIKING 5200 BRAND</u></b> —DRI 30/30 WSI 2.5 FD 5	<b>\$278/50#</b>
<b><u>VIKING 3800 BRAND</u></b> —DRI 29/30 WSI 2.1 FD 4.0	<b>\$288/50#</b>
<b><u>BLUE RIVER SWIFT</u></b> DRI 28/30 WSI 2 FD 4	<b>\$295/50#</b>
<b><u>5301 MULTI-LEAF</u></b> – DRI 27/30 WSI 2.1 FD 4	<b>\$275/50#</b>
<b><u>ALLSTAR BRAND</u></b> – DRI 27/30 WSI 2 FD 3	<b>\$245/50#</b>
<b><u>VIKING 340M BRAND</u></b> -DRI 27/30 WSI 2.0 FD 3.0	<b>\$268/50#</b>
<b><u>VIKING 3200 BRAND</u></b> -DRI 28/30 WSI 2.6 FD 3.0	<b>\$248/50#</b>
<b><u>APPALOOSA</u></b> –DRI 25/30 WSI 2.2 FD 2.8	<b>\$248/50#</b>
<b><u>VNS</u></b> – WSI 2.2 FD 2	<b>\$185/50#</b>
<b><u>VNS CREEPING ALFALFA</u></b> -DRI 25/30 WSI 2 FD 2	<b>\$261/50#</b>
<b><u>MATRIX CREEPING</u></b> –FD 1.0	<b>\$268/50#</b>

### **CERTIFIED ORGANIC CLOVERS-Preinoculated**

<b><u>ORG. MEDIUM RED CLOVER</u></b> -	<b>\$190/50#</b>
<b><u>ORG. RED STAR BRAND RED CLOVER</u></b> Improved	<b>\$199/50#</b>
<b><u>ORG. FREEDOM MR MEDIUM RED CLOVER</u></b>	<b>\$250/50#</b>
<b><u>ORG. ALTA SWEDE MAMMOTH CLOVER</u></b>	<b>\$135/50#</b>
<b><u>ORGANIC DIXIE CRIMSON CLOVER</u></b>	<b>\$120/50#</b>
<b><u>ORGANIC LADINO CLOVER</u></b>	<b>\$348/50#</b>
<b><u>ORGANIC RIVENDEL WHITE CLOVER</u></b>	<b>\$205/25#</b>
<b><u>ORGANIC ALSIKE CLOVER</u></b>	<b>\$195/50#</b>
<b><u>ORG. ALSIKE w/7% YELLOW BLOSSOM SWEET</u></b>	<b>\$118/50#</b>
<b><u>ORGANIC YELLOW BLOSSOM SWEET CLOVER</u></b>	<b>\$105/50#</b>

### **CERTIFIED ORGANIC NITROGEN-FIXING COVER CROPS**

<b><u>ORG. HAIRY VETCH</u></b> -	<b>\$129/50#</b>
<b><u>ORGANIC FABA/FAVA BEANS</u></b>	<b>\$50/50#</b>
<b><u>ORGANIC LENTILS</u></b>	<b>\$62/50#</b>
<b><u>ORGANIC SURVIVOR or AUSTRIAN WINTER PEAS</u></b>	<b>Ask</b>
<b><u>ORGANIC SANFOIN</u></b>	<b>\$120/50#</b>
<b><u>ORG. PLOWDOWN BLEND</u></b> -Hardy Alfalfa, Mammoth Red Clover, Yellow Blossom Sweet Clover and Alsike Clover	<b>\$158/50#</b>
<b><u>ORGANIC PLOWDOWN MIX</u></b> 1/3 Mammoth Red Clover, 1/3 Alsike Clover, 1/3 Yellow Blossom Sweet Clover	<b>\$145/50#</b>

### **CERTIFIED ORGANIC BIOMASS COVER CROPS**

<b><u>ORGANIC BUCKWHEAT</u></b>	<b>\$49/50#</b>
<b><u>ORGANIC WINTER RYE</u></b>	<b>\$23.50/56#</b>
<b><u>ORGANIC AROOSTOOK WINTER RYE</u></b>	<b>\$25/56#</b>
<b><u>ORG. DEEP TILL RADISH</u></b>	<b>\$180/50#</b>
<b><u>ORG. TAPMASTER RADISH</u></b>	<b>\$213/50#</b>
<b><u>ORG. N/C JERRY OATS</u></b> Non-Certified Jerry Oats	<b>\$15/bu.</b>
<b><u>ORGANIC GULF or VNS ANNUAL RYEGRASS</u></b> -	<b>\$80/50#</b>
<b><u>ORGANIC PURPLE TOP TURNIPS</u></b>	<b>\$138/50#</b>

### **ORGANIC COVER CROP MIXES**

**ORGANIC NITROMAX CC1** 48.5% Organic Oats 48.5% Organic Field Peas 3% Organic Radish. Optimum planting Date: August 1<sup>st</sup> to September 15<sup>th</sup>. Seeding rate: 75-100 lbs. per acre. Depth ½”  
**\$45/50#**

**ORGANIC VALUMAX CC2** 60% Organic Annual Ryegrass 20% Organic Crimson Clover 20% Organic Radish Optimum planting date: Last cultivation; August 1<sup>st</sup> to September 15<sup>th</sup>. Seeding rate: 15-20 lbs. per acre Depth ¼” to ½”  
**\$114/50#**

**ORGANIC WINTERMAX CC3** 75% Organic Winter Rye 20% Organic Hairy Vetch 5% Organic Radish Optimum planting date: August 1<sup>st</sup> to September 15<sup>th</sup>. Seeding rate: 50-75 lbs. per acre Depth: ¼” to ½”  
**\$64/50#**

**ORGANIC SUMMERMAX CC6** 40% Organic Buckwheat 40% Organic Soybeans 20% Organic Viking 220 Sorghum Sudangrass Optimum planting date: May 30<sup>th</sup> to August 15<sup>th</sup> or when all danger of frost is past. Seeding rate: 40-50 lbs. per acre Depth: ½” **ASK**

**ORGANIC CULTIVATION MAX CC8** 40% Organic Annual Rye 20% Organic Radish 20% Organic Medium Red Clover 15% Organic Alsike Clover 5% Hardy Alfalfa Optimum planting date: June 1<sup>st</sup> to July 5<sup>th</sup> –at last cultivation. Seeding rate: 12-15 lbs. per acre.

Depth ¼” to ½” **\$132/50#**

**ORGANIC PLOWDOWN BLEND CC9** 30% Organic Mammoth Red Clover, 25% Organic Alsike Clover, 25% Organic Charger Alfalfa (80% germ) and 20% Organic Yellow Blossom Sweet Clover. Optimum planting date: February-May; August 1<sup>st</sup> to August 15<sup>th</sup>. Seeding rate: 12-15 lbs. per acre

Depth ¼” to ½” **\$158/50#**

**ORGANIC PLOWDOWN MIX** Organic mixture of fast establishing nitrogen building clovers--excellent for improving soil quality.

1/3 Organic Alta Swede Mammoth Red Clover, 1/3 Organic Alsike Clover, and 1/3 Organic Yellow Blossom Sweet Clover. Seeding rate: Alone 12-15 lbs. acre Depth ¼” **\$145/50#**

### **CERTIFIED ORGANIC FORAGE GRASSES**

<b><u>ORGANIC GULF or VNS ANNUAL RYEGRASS</u></b> -	<b>\$80/50#</b>
<b><u>ORG. STORM or SOLID INTERMEDIATE RYEGRASS</u></b>	<b>\$185/50#</b>
<b><u>ORG. PREMIUM PERENNIAL DIPLOID RYEGRASS</u></b>	<b>\$203/50#</b>
<b><u>ORG. CALIBRA PERENNIAL TETRAPLOID RYEGRASS</u></b>	<b>\$203/50#</b>
<b><u>ORGANIC PERSEUS FESTULOLIUM</u></b>	<b>\$195/50#</b>
<b><u>ORGANIC PERUN or FEDERO FESTULOLIUM</u></b>	<b>\$218/50#</b>
<b><u>ORGANIC LAURA MEADOW FESCUE</u></b>	<b>\$255/50#</b>
<b><u>ORG. NIVA ORCHARDGRASS</u></b>	<b>\$268/50#</b>
<b><u>ORG. LUXOR ORCHARDGRASS</u></b>	<b>\$236/44#</b>
<b><u>ORGANIC KORA TALL FESCUE</u></b>	<b>\$255/50#</b>
<b><u>ORGANIC CLIMAX TIMOTHY</u></b>	<b>\$141/50#</b>
<b><u>ORGANIC DOLINA TIMOTHY</u></b>	<b>\$170/50#</b>
<b><u>ORGANIC FLEET MEADOW BROME</u></b>	<b>\$253/50#</b>

### **ORGANIC FORAGE MIXTURES:**

**ORGANIC DAIRY PRO MIX** Premium alfalfa/ grass mixture formulated for dairy cattle, exc. yield potential for hay, baleage or silage, fast regrow. **\$228/50#**

**ORGANIC GRAZE & CHOP MIX** Diverse mixture of legumes & grasses furnish balanced ration for livestock, grasses highly palatable **\$99/25#**

**ORGANIC PASTURE GRASS MIX** Superior, long lasting mixture of cool- season grasses. Suitable for new pasture or reinvigorating existing pasture. **\$104/25#**

**ORGANIC HAY GRASS MIX** of improved cool-season grasses well-suited for use as an alfalfa or clover companion. **\$104/25#**

**O-RENOVATOR MIX** Fast establishing high-energy ryegrass mix to boost production in existing fields/pastures, persists 1 or 2 years. **\$183/50#**

**O-BUFFER GRASS MIX** – Great mix for buffer strips along organic fields. Can be used for hay or pasture. **\$94/25#**

### **CERTIFIED ORGANIC SUMMER ANNUAL FORAGES**

<b><u>ORG. WONDERGREEN SORGHUM SUDANGRASS</u></b>	<b>\$77/50#</b>
<b><u>ORGANIC VIKING O-220 SORGHUM SUDANGRASS</u></b>	<b>Ask</b>
<b><u>ORGANIC SWEET SIX BMR SORGHUM SUDANGRASS</u></b>	<b>Ask</b>
<b><u>ORG. BR NIGHT HAWK 6 SORGHUM SUDANGRASS</u></b>	<b>\$95/50#</b>
<b><u>ORGANIC GW-400 BMR FORAGE SORGHUM</u></b>	<b>Ask</b>

**CERTIFIED ORGANIC GRAINS**-Unless Stated  
**ORGANIC ND GENESIS SPRING BARLEY** 2-row malting \$28/bu.  
**ORGANIC HAXBY SPRING BARLEY** 2 row feed \$26/bu.  
**ORGANIC ROBUST SPRING BARLEY** 6 row feed \$26/bu.  
**ORGANIC QUEST SPRING BARLEY** 6 row malting \$28/bu.  
**ORGANIC HAYES FORAGE BARLEY** \$26/bu.  
**ORGANIC WINTER BARLEY**—Call for Fall pricing

**ORGANIC BUCKWHEAT** \$49/50#

**ORGANIC NON-CERTIFIED AC MORGAN OATS** \$15/bu.  
**ORGANIC ARMOR OATS** \$17/bu.  
**ORGANIC DEON OATS** \$15.50/bu.  
**ORGANIC ESKER2020 OATS** \$19/bu.  
**ORGANIC HAYDEN OATS** \$19/bu.  
**ORGANIC Non-certified JERRY OATS** \$15/bu.  
**ORGANIC REINS OATS** \$15.50/bu.  
**ORGANIC SHELBY 427 OATS** \$15.50/bu.  
**ORGANIC SUMO OATS** \$19/bu.  
**ORGANIC WARRIOR OATS** \$15.50/bu.

**ORGANIC STREAKER HULLESS OATS** \$24/bu.

**ORGANIC EVERLEAF 126 FORAGE OATS** \$24/bu.  
**ORGANIC LAKER FORAGE OATS WI CERT.** \$22/bu.

**ORGANIC 4010 PEAS**-Forage \$33/50#  
**ORGANIC MONTECH 4193 YELLOW GRAIN PEAS** \$35/50#  
**ORG. AUSTRIAN or SURVIVOR WINTER PEAS** Ask

**ORGANIC OAT/4010 PEA MIX** 50:50 mix \$30/50#  
**ORGANIC PEA OATLAGE** 45% Peas 55% Oats \$28.75/50#  
**ORGANIC BARLEY/YELLOW PEA MIX** 60:40 by wt. \$30/50#  
**ORGANIC TRITICALE/4010 PEA MIX** 50:50 Mix \$32/50#  
**ORGANIC PEA TRITLAGE** 45% Peas 55% Triticale \$32.50/50#

**ORGANIC DAYTONA SUNFLOWERS**-175,000 seeds \$258

**ORGANIC SPRING TRITICALE VNS** \$31/50#

**ORGANIC WINTER TRITICALE** \$28/50#

**ORGANIC EMMER WHEAT**-Hull on 80% Germ. \$63/50#

**ORGANIC EINKORN TM23 WHEAT**- Hull-on Ask

**ORGANIC LANG MN HARD RED SPRING WHEAT** \$38/50#

**ORGANIC BOLLES HARD RED SPRING WHEAT** \$38/50#

**ORGANIC ND VitPro HARD RED SPRING WHEAT** \$34/50#

**ORGANIC HARD RED WINTER WHEAT** —Call for Fall pricing

**ORG. LIMAGRAIN L334 SOFT RED WINTER WHEAT** 22.75/50#

**ORGANIC LION SOFT RED WINTER WHEAT** Ask

**ORGANIC WINTER RYE** \$23.50/56#

**ORGANIC AROOSTOOK WINTER RYE** \$25/56#

### **ORGANIC SEED CORN**

WE OFFER COMPLETE LINES OF SEED CORN VARIETIES FROM:

**MASTERS CHOICE** **BLUE RIVER ORGANIC SEED**

**PRAIRIE HYBRIDS** **VIKING CORN**

**ALBERT LEA ORGANICS** **WELTER SEED & HONEY CO.**

Our most popular hybrids are:

**ORGANIC BLUE RIVER 48G35**-102 day Dual Purpose \$245/80M  
**ORGANIC BLUE RIVER 62G22**- 110 day Dual Purpose \$245/80M  
**ORGANIC BLUE RIVER 43L96**-98 day Floury Leafy \$235/80M  
**ORG. MASTERSCHOICE 5250** 102 day Dual Purpose \$250/80M  
**ORG. MASTERSCHOICE 5790**-107day Dual Purpose \$250/80M  
**ORG. MASTERSCHOICE 6150**-111 day Dual Purpose \$250/80M

**ORGANIC PRAIRIE HYBRID 3081**-104 day Grain \$267/80M  
**ORGANIC PRAIRIE HYBRID 4211** -106 day Grain \$267/80M  
**ORGANIC PRAIRIE HYBRID 5351**-109 days Workhorse \$267/80M  
**ORGANIC VIKING O.98-98P**-98 days Grain \$238/80M  
**ORGANIC VIKING O.51-04PGS** 104 day Dual Purpose \$238/80M  
**ORGANIC VIKING O.48-08PGS** 108 day Dual Purpose \$238/80M  
**ORGANIC WELTER WS 2482** 104 day Dual Purpose \$203/80M  
**ORGANIC WELTER WS 4816** 108 day Grain \$203/80M

Our most popular open-pollinated varieties are:

**ORGANIC ALBERT LEA E-95-94-97** day open-pollinated \$123/80M  
**ORGANIC BLOODY BUTCHER** 120 day open-pollinated \$123/80M  
**ORGANIC REBELLION**-110 day open-pollinated \$123/80M

### **ORGANIC SOYBEAN SEED**

WE OFFER COMPLETE LINES OF SOYBEAN SEED VARIETIES FROM:

**BLUE RIVER ORGANIC SEED** **VIKING SOYBEANS**

**ALBERT LEA ORGANICS** **WELTER SEED & HONEY CO.**

**DKG SEED FARMS**

Our most popular varieties are:

**ORGANIC BLUE RIVER 24DC3** 2.4 maturity, feed grade \$50/140M  
**ORGANIC BLUE RIVER 26FO** 2.6 maturity, food grade \$50/110M  
**ORGANIC BLUE RIVER 34A7** 3.4 maturity, feed grade \$50/140M  
**ORGANIC eMERGE 289**-2.8 maturity, feed grade \$50/140M  
**ORG. VIKING O.2188AT12N** 2.5 maturity, feed/food \$52/50#

**Non-GMO, UNTREATED ALFALFA SEED-Preinoculated**

**375HY-BR II BRAND ALFALFA**- DRI 30/30 WSI 1.8 FD 4 \$279/50#  
**WL 365HQ ALFALFA**-DRI 30/30 WSI 1.1 FD 4.9 \$273/50#  
**WL358LH Leafhopper ALFALFA**DRI30/30 WSI 2.0 FD 4.1 \$253/50#  
**WS LEAFGUARD LH ALFALFA**-DRI 30/30 WSI 2.4 FD 4 \$245/50#  
**WS HIFI BRAND ALFALFA** -DRI 30/30 WSI 1.7 FD 4.3

Low Lignin, High Fiber, Highly Digestible Alfalfa \$244/50#

**BLUE RIVER ROADRUNNER**-DRI 32/35 WSI 2 FD 4 \$240/50#

**BLUE RIVER SKYLARK RL** -DRI 35/35 WSI 2 FD 3.9 \$240/50#

**BLUE RIVER RED FALCON BR**-DRI 35/35 WSI 1.8 FD 4.1 \$240/50#

**HI-NITRO BRAND ALFALFA**-WSI 6 FD 9 \$229/50#

**WS L550 Branch Rooted**-DRI 30/30 WSI 1.8 FD 4 \$224/50#

**VIKING 342LH Leafhopper** DRI 30/30 WSI 1.9 FD 4 \$228/50#

**VIKING 392AP ALFALFA**-DRI 35/35 WSI 1.9 FD 4.5 \$228/50#

**VIKING 372HD ALFALFA**-DRI 30/30 WSI 2 FD 4 \$228/50#

**FOREGRAZER V ALFALFA**-33/35 WSI 1.9 FD 3.5 \$218/50#

**EXCEL BRAND 353BR ALFALFA**-DRI30/30 WSI 1.7 FD 3.8 \$215/50#

**GALAXY II BRAND MULTILEAF** DRI 30/30 WSI 2.1 FD4 \$188/50#

**NITROGEN BRAND ALFALFA**-FD9 \$183/50#

**4241 CREEPING ALFALFA**-DRI 25/30 WSI 2 FD 2 \$171/50#

**GRAZER BRAND ALFALFA**-DRI 25/30 WSI 2.1 FD 2 \$167/50#

**2020 SUPREME ALFALFA**-DRI 29/30 WSI 2 FD 4 \$165/50#

**MULTI 5301 MULTI-LEAF**-DRI 27/30 WSI 2 FD 4 \$155/50#

**MATRIX CREEPING ALFALFA**-DRI 25/30 WSI 2 FD 2.5 \$148/50#

**VIKING 330M BRAND**-DRI 29/30 WSI 2.2 FD 4 \$148/50#

**VIKING 3100 ALFALFA**- DRI 28/30 WSI 2.4 FD 3 \$128/50#

**VERNAL ALFALFA**-DRI 11/30 WSI 2.2 FD 2 \$113/50#

**HONEST JOHN ALFALFA** DRI 29/30 WSI 2.5 FD 3.5 \$108/50#

**Non-GMO, UNTREATED CLOVERS Preinoculated**

**MEDIUM RED CLOVER**- \$107/50#

**FREEDOM MR RED CLOVER** OMRI coated \$91.50/25#

**MARATHON RED CLOVER** \$151.50/50#

**PERSIST BRAND RED CLOVER** \$143/50#

**STARFIRE II RED CLOVER** Coated-Not for Organic \$170/50#

**ALTA SWEDE MAMMOTH RED CLOVER** \$123/50#

**LEGACY WHITE CLOVER** Coated-Not for Organic \$5.00/#

<u>NEW ZEALAND WHITE CLOVER</u>	\$183/50#
<u>RENOVATION WHITE CLOVER</u> C-Not for Organic	\$6.15/#
<u>WHITE DUTCH CLOVER</u>	\$190/50#
<u>LADINO WHITE CLOVER</u>	\$4.30/#
<u>JUMBO II LADINO CLOVER</u>	\$4.40/#
<u>ALICE GRAZING WHITE CLOVER</u> OMRI Coated	\$5.05/#
<u>ALSIKE CLOVER</u>	\$165/50#
<u>ABERLASTING CLOVER</u> OMRI NitroCoated Org.	\$6.50/#
<u>FROSTY BERSEEM CLOVER</u>	\$143/50#
<u>CRIMSON CLOVER</u> OMRI Coated	\$77/50#
<u>FIXATION BALANSA CLOVER</u> OMRI Coated	\$125/50#
<u>WHITE BLOSSOM SWEET CLOVER</u>	\$163/50#
<u>YELLOW BLOSSOM SWEET CLOVER</u>	\$95/50#

#### SAINFOIN, VETCHES, TREFOILS, PLANTAIN & CHICORY

<u>SAINFOIN</u>	\$120/50#
<u>HAIRY VETCH</u>	\$100/50#
<u>CROWN VETCH</u>	Ask
<u>BRUCE BIRDSFOOT TREFOIL</u>	\$5.35/#
<u>BULL BIRDSFOOT TREFOIL</u>	\$5.35/#
<u>OASIS CHICORY</u>	\$6.25/#
<u>FORB FEAST CHICORY</u> OMRI Coated	\$6.25/#
<u>PLANTAIN</u>	\$6.25/#

#### Non-GMO, UNT. NITROGEN FIXING COVER CROPS

<u>COOL SEASON:</u>	
<u>HAIRY VETCH</u>	\$100/50#
<u>4010 FIELD PEAS</u>	\$29/50#
<u>SURVIVOR or AUSTRIAN WINTER PEAS</u>	\$47/50#
<u>WHITE BLOSSOM SWEET CLOVER</u>	\$163/50#
<u>YELLOW BLOSSOM SWEET CLOVER</u>	\$95/50#
<u>ALTA SWEDE MAMMOTH RED CLOVER</u>	\$123/50#
<u>CHICKLING VETCH/A C GREENFIX</u>	\$63/50#
<u>LENTILS</u>	\$50/50#
<u>WHITE SWEET LUPIN</u>	\$107/55#
<u>FABA BEANS aka FAVA</u>	\$50/50#
<u>PLOWDOWN HONEST JOHN ALFALFA</u>	\$108/50#
<u>PLOWDOWN MIX</u> 24% Alfalfa, 24% Mammoth Red, 24% Alsike, 24% Sweet Clover, and 4% Ladino	\$128/50#
<u>NO-SWEET PLOWDOWN MIX</u> 32% Alfalfa, 32% Mammoth Red, 32% Alsike Clover, and 4% Ladino	\$140/50#
<u>WARM SEASON:</u>	
<u>FROSTY BERSEEM CLOVER</u>	\$143/50#
<u>FIXATION BALANSA CLOVER</u>	\$125/50#
<u>CRIMSON CLOVER</u>	\$77/50#
<u>COWPEAS</u>	\$64/50#
<u>SUNN HEMP</u>	\$83/50#

#### Non-GMO, UNTREATED BIOMASS COVER CROPS

<u>GULF or VNS ANNUAL RYEGRASS</u>	\$47/50#
<u>BUCKWHEAT</u>	\$41/50#
<u>N/C JERRY OATS</u>	\$12.50/bu.
<u>GROUNDHOG RADISH</u>	\$2.50/#
<u>TAPMASTER RADISH</u>	\$108/50#
<u>YELLOW MUSTARD</u>	\$75/50#
<u>PACIFIC GOLD MUSTARD</u>	\$83/25#
<u>PHACELIA</u>	\$168/50#
<u>DWARF ESSEX RAPE</u>	\$68/50#
<u>PURPLE TOP TURNIPS</u>	\$95/50#
<u>WINTER RYE</u>	\$20.00/50#
CLOVERLAND AG SERVICE LLC 330-231-4484	

#### UNTREATED, Non-GMO COVER CROP MIXES

<u>NitroMax CC1</u> 48.5% Oats 48.5% Field Peas 3% Radish Optimum planting Date: August 1 <sup>st</sup> to September 15 <sup>th</sup> . Seeding rate: 75-100 lbs. per acre. Depth: ½" \$35.50/50#
<u>ValueMax CC2</u> 60% Annual Ryegrass 20% Crimson Clover 15% Radish 5% Dwarf Essex Rape Optimum planting date: Last cultivation; August 1 <sup>st</sup> to September 15 <sup>th</sup> . Seeding rate: 15-20 lbs. per acre Depth ¼" \$75/50#
<u>WinterMax CC3</u> 75% Winter Rye 20% Hairy Vetch 5% Radish Optimum planting date: August 1 <sup>st</sup> to September 15 <sup>th</sup> . Seeding rate: 50-75 lbs. per acre Depth: ¼" to ½" \$51/50#
<u>GrazeMax CC4</u> 48% Barley 48% Oats 2% Kale 2% Turnips Optimum seeding date: August 1 <sup>st</sup> to September 15 <sup>th</sup> . Seeding rate: 75 to 100 lbs. per acre Depth ¼" to ½" \$33/50#
<u>SummerMax CC6</u> 30% Buckwheat 30% Cowpeas 10% Sorghum Sudangrass 15% Proso Millet 10% Sunn Hemp 5% Sunflowers Control mixture at first sign of buckwheat and Sunn Hemp flowers to prevent volunteer seeds. Note: Sunn Hemp seed is toxic to livestock. Grazing and forage should not be done if Sunn Hemp has set seed. Additionally, Sunn Hemp becomes woody and fibrous if allowed to mature beyond the first flower (>60 days) Drill for best results. Optimum planting date: May 30 <sup>th</sup> to August 15 <sup>th</sup> or when all danger of frost is past. Seeding rate: 40-50 lbs. per acre Depth: ½" \$62/50#
<u>MultiMax CC7</u> 40% Annual Ryegrass 15% Crimson Clover 15% Berseem Clover 15% Lentils 5% Radish 5% Turnips 5% Dwarf Essex Rape Optimum planting date: Last cultivation; August 1st to September 15 <sup>th</sup> . Later planting will reduce the prevalence of clovers. Seeding rate: 15- 20 lbs. per acre Depth: ¼" to ½" \$75/50#
<u>N-Vest® Crimson Cover-All Mix</u> Mixture containing Crimson Clover and GroundHog Radishes. Both produces and scavenges nitrogen—Crimson Clover can produce up to 140 units of nitrogen per acre and GroundHog Radishes can scavenge up to 130 units of nitrogen per acre. Optimum planting time: August 1 <sup>st</sup> to September 15 <sup>th</sup> . Seeding rate: 17-20 lbs. per acre. Depth: ¼" \$90/50#
<u>N-Vest® Forager Mix</u> Mixture containing Oats, Winter Rye, and Appin Turnips. Excellent choice for aerial application into standing row crops. Ideal grazing in the winter and spring with 3.5 pounds per day of weight gain on cattle. Scavenges nitrogen. Optimum planting date: August 1 <sup>st</sup> to September 15 <sup>th</sup> . Seeding rate: 105 lbs. per acre Depth: ¼" to ½" \$28/50#
<u>N-Vest® NutriBuilder Mix</u> Mixture of cold tolerant Annual Ryegrass, Crimson Clover, and GroundHog Radish. Produces up to 60-100 units of nitrogen per acre. GroundHog Radishes can scavenge up to 130 units of nitrogen per acre. Annual Ryegrass can scavenge up to 300 units of nitrogen per acre. Optimum planting time: August 1 <sup>st</sup> to September 15 <sup>th</sup> . Seeding rate: 21 lbs. per acre Depth: ¼" to ½" \$72/50#
<u>N-Vest® Groundbreaker Mix</u> Mixture contains Austrian Winter Peas and GroundHog Radishes. Mix will aid in ground aeration and alleviation of compaction. Peas can produce up to 120 units of nitrogen per acre. GroundHog Radishes can scavenge up to 130 units of nitrogen per acre. Mixture will suppress weeds and increase row crop yields. Optimum planting time: August 1 <sup>st</sup> to September 15 <sup>th</sup> . Seeding rate: 35 lbs. per acre. Depth: ½" \$ 62/50#

#### Non-GMO, UNTREATED BRASSICAS

<u>PASIA HYBRID FORAGE BRASSICA</u>	\$3.50/#
<u>T-RAPTOR HYBRID FORAGE BRASSICA</u>	\$3.15/#
<u>BARSICA FORAGE RAPE SEED</u>	\$2.65/#
<u>BONAR RAPE SEED</u>	\$3.05/#
<u>DWARF ESSEX RAPE</u>	\$68/50#
<u>KESTREL KALE</u>	\$5.75/#
<u>APPIN FORAGE TURNIPS</u>	\$3.50/#
<u>BARKANT FORAGE TURNIPS</u>	\$2.65/#
<u>PURPLE TOP TURNIPS</u>	\$95/50#

#### Non-GMO, UNTREATED SMALL GRAINS

<u>TRADITION SPRING BARLEY</u> 6-row feed	\$22/bu.
<u>ND GENESIS SPRING BARLEY</u> 2-row malting	\$22/bu.
<u>ROBUST SPRING BARLEY</u> 6-row malting	\$18.50/bu.
<u>HAYES FORAGE BARLEY</u> Non-certified	\$29/bu.

<u>WINTER BARLEY</u> Call for Fall Varieties and Pricing	
<u>BUCKWHEAT</u>	\$41/50#
<u>ARMOR GRAIN OATS</u> Limited Supply	\$13.50/bu.
<u>DEON OATS</u>	\$13.50/bu.
<u>ESKER2020</u>	\$17/bu.
<u>GR 65 GRAIN OATS</u> Limited Supply	13.75/bu.
<u>HAYDEN OATS</u>	\$13.50/bu.
<u>HORSEPOWER OATS</u>	\$13.50/bu.
<u>INO9201 OATS</u> Non-Certified	\$13/bu.
<u>JERRY OATS</u> Non-Certified	\$12.50/bu.
<u>MORTON OATS</u> Non-Certified	\$15/bu.
<u>REINS OATS</u>	\$13.50/bu.
<u>SABER GRAIN OATS</u> Limited Supply	\$13.50/bu.
<u>SHELBY 427 OATS</u>	\$13.50/bu.
<u>GOLIATH FORAGE OATS</u>	\$13.50/bu.
<u>LAKER FORAGE OATS</u> WI Certified	\$20.00/bu.
<u>4010 FIELD PEAS</u> Forage	\$29/50#
<u>DS ADMIRAL YELLOW FIELD PEAS</u> Dual Purpose	\$28/50#
<u>AUSTRIAN WINTER PEAS</u>	\$30/50#
<u>SURVIVOR WINTER PEAS</u>	\$47/50#
<u>ICICLE WINTER PEAS</u>	\$36/50#
<u>PEA OATLAGE</u>	\$25/50#
<u>BARLEY/4010 PEA MIX</u>	\$26/50#
<u>PEA TRITILAGE</u>	\$26.50/50#
<u>SPELT</u>	Ask
<u>PEREDOVIC SUNFLOWERS</u>	\$38/50#
<u>SPRING TRITICALE</u>	\$22.25/50#
<u>TRICAL719/FORAGE FX 1001WINTER TRITICALE</u>	\$26/50#
<u>LIMAGRAIN L334 SOFT RED WINTER WHEAT</u>	\$19/50#
<u>LION SOFT RED WINTER WHEAT</u>	Ask
<u>WINTER RYE</u>	\$20/50#

#### Non-GMO, UNTREATED GRASSES

<u>GINGER FORAGE KENTUCKY BLUEGRASS</u>	\$150/50#
<u>FLEET MEADOW BROMEGRASS</u>	\$128/50#
<u>LINCOLN BROMEGRASS</u>	\$145/50#
<u>HAKARI MOUNTAIN BROMEGRASS</u>	\$187/50#
<u>PALATON REED CANARY GRASS</u>	\$5.20/#
<u>PREVAL MEADOW FESCUE</u>	\$140/50#
<u>HDR MEADOW FESCUE</u>	\$150/50#
<u>BAROLEX TALL FESCUE</u>	\$157/50#
<u>BRONSON TALL FESCUE</u>	\$110/50#
<u>COWGIRL TALL FESCUE</u>	\$103/50#
<u>MILKWAY FESCUE BLEND</u>	\$150/50#
<u>STF 43 TALL FESCUE</u>	\$150/50#
<u>DUO FESTULOLIUM</u>	\$109/50#
<u>SUGARCREST FESTULOLIUM</u>	\$111/50#
<u>SPRING GREEN FESTULOLIUM</u>	\$105/50#
<u>DEVOUR GRAZING ORCHARDGRASS</u>	\$189/50#
<u>HLR ORCHARDGRASS</u>	\$108.50/25#
<u>PROFIT ORCHARDGRASS</u>	\$187/50#
<u>LATAR ORCHARDGRASS</u>	\$181/50#
<u>TEKAPU GRAZING ORCHARDGRASS</u>	\$189/50#
<u>BRUISER ANNUAL RYEGRASS</u>	\$49/50#
<u>ROOTMAX ANNUAL RYEGRASS</u>	\$55/50#
<u>GULF or VNS ANNUAL RYEGRASS</u>	\$47/50#
<u>RIVAL ANNUAL RYEGRASS</u>	\$49/50#
<u>FEAST II ITALIAN RYEGRASS</u>	\$73/50#
<u>GREEN SPIRIT ITALIAN RYEGRASS</u>	\$95/50#
<u>BG-24T PERENNIAL RYEGRASS</u>	\$120/50#
<u>BG-34 PERENNIAL RYEGRASS</u>	\$120/50#

<u>PAYDAY PERENNIAL RYEGRASS</u>	\$115/50#
<u>TEFF GRASS</u> OMRI NITRO COATED	\$140/50#
<u>BARPENTA/BARFLEO TIMOTHY</u>	\$133/50#
<u>CLIMAX TIMOTHY</u>	\$80/50#
<u>TUUKKA TIMOTHY</u>	\$92/50#

#### Non-GMO, UNTREATED FORAGE MIXTURES GRASS-ONLY --

Mix % and components may change based on availability.

<u>GRAZERS SPECIAL MIX</u> -20% Tekapo Grazing Orchardgrass, 20%Payday Perennial Ryegrass, 20% Duo Festulolium, 20% Meadow Fescue,20% Lincoln Smooth Bromegrass	\$143/50#
<u>GRAZERS SUPREME MIX</u> -30% Fleet Meadow Bromegrass, 20% Tekapo Grazing Orchardgrass, 20% Payday Perennial Ryegrass, 20% Meadow Fescue, 10% Duo Festulolium.	\$152/50#
<u>PASTURE GRASS #1 MIX</u> -10% Smooth Bromegrass, 10% Fleet Meadow Brome,20% Meadow Fescue, 20% Cowgirl Tall Fescue, 20% Spring Green Festulolium, 20% Sierra Perennial Ryegrass.	\$61.50/25#
<u>HAY GRASS #2 MIX</u> -40% STF 43 Tall Fescue Blend, 30% Elise Orchardgrass 30% Fleet Meadow Bromegrass.	\$76.50/25#
<u>PLEASURE HORSE II MIX</u> -20% Tekapo Grazing Orchardgrass, 20%Preval Meadow Fescue (Endophyte Free), 20% Fleet Meadow Bromegrass, 10% Payday Perennial Ryegrass, 10% Duo Festulolium, 10% Bronson Tall Fescue(Endophyte Free), 5% Ginger Forage Kentucky Bluegrass, & 5% Tuukka Timothy.	\$147/50#
<u>RENOVATOR MIX</u> -40% Spring Green Festulolium, 15% Elise Orchardgrass, 15% Fleet Meadow Bromegrass,15% True It. Ryegrass,15% An. Ryegrass VNS	\$113/50#
<u>RENOVATOR SPECIAL MIX</u> -40% Payday Perennial Ryegrass, 35% Duo Festulolium, 25% Rival Annual Ryegrass.	\$100/50#
<u>SHADY PASTURE MIX</u> -20% HLR Orchardgrass, 15% HDR Meadow Fescue Blend, 15% Barolex Tall Fescue Blend, 15% Chewing Fescue, 15% True Italian Ryegrass, 10% Creeping Red Fescue, 10% Hard Fescue	\$158/50#
<u>NRCS WATERWAY MIX</u> - 67% Smooth Bromegrass, 13% Sierra Perennial Ryegrass and 20% Climax Timothy.	\$83/30#
<u>WATERWAY MIX</u> -20% Smooth Brome, 10% Concerto Kentucky Bluegrass, 20% Cowgirl Tall Fescue, 15% Meadow Fescue VNS, 10% Annual Ryegrass, 15% Sierra Perennial Ryegrass, 10% Climax Timothy	\$108/50#
<u>ALL GRASS PASTURE &amp; WATERWAY MIX #10</u> -20% Fleet Meadow Bromegrass,15% Duo Festulolium,15% Profit Orchardgrass,10% Italian Ryegrass,10% Lincoln Bromegrass,10% Payday Perennial Ryegrass,10% Tuukka Timothy,10% Meadow Fescue.	\$68.25/25#
<u>SOIL SAVER WATERWAY MIX</u> 28% Smooth Bromegrass, 18% Tall Fescue, 18% Perennial Ryegrass, 18% Annual Ryegrass, 18% Climax Timothy.	\$48.50/25#
<u>TIMESAVER COMPLETE WATERWAY MIX</u> -80% Winter Wheat, 6% Smooth Bromegrass, 3.5% Tall Fescue, 3.5% Perennial Ryegrass, 3.5% Annual Ryegrass, 3.5% Climax Timothy.	\$37/50#

#### GRASS-LEGUME MIXTURES

Mix % and components may change based on availability.

<u>BEEF PRO</u> -45% Viking 330M Alfalfa, 45% Viking 3100 Alfalfa, 5% Climax Timothy, 5% Elise Orchardgrass.	\$118/50#
<u>SUPER GRAZING MIX</u> -High quality and long-lasting pasture mix. 20% Barenbrug BG24T Perennial Ryegrass, 15% Barenbrug HDR Meadow Fescue, 15% Smooth, Bromegrass, 15% Ginger Grazing Bluegrass, 15% Spring Green Festulolium, 10% Barolex Tall Fescue, 2.5% Birdsfoot Trefoil, 5% Chicory VNS, 2.5% Alice Grazing White Clover.	\$153/50#
<u>GRAZERS ELITE MIX</u> -50% Tekapo Grazing Orchardgrass, 20% Duo Festulolium, 20% Payday Perennial Ryegrass, 7% Starfire Red Clover, 3% Legacy White Clover	\$164/50#
<u>GRAZERS GOURMET MIX</u> -30% Grazer Brand Alfalfa, 30% Tekapo Grazing Orchardgrass,13% Payday Perennial Ryegrass, 10% Duo Festulolium, 10% Bull Birdsfoot Trefoil, 7% Oasis Chicory	\$183/50#
<u>GREAT GAINS</u> Sucraseed High Sugar Grass Mixes 25% AberEve HSG Tetraploid Intermediatel Ryegrass, 23% AberGreen HSG Diploid Perennial Ryegrass, 22% AberMagic HSG Diploid Perennial Ryegrass, 15% QuikDraw Orchardgrass 10% FIXatioN Balansa Clover, 5% Aberlasting Hybrid Clover. Full Bags Only.	\$67.75/25#
<u>PASTURE &amp; WATERWAY MIX #9</u> -20% Fleet Meadow Bromegrass, 15% Duo Festulolium, 15% Profit Orchardgrass, 10% Lincoln Smooth Bromegrass, 10% Tuukka Timothy, 10% Meadow Fescue, 10% Starfire Red Clover, 10% Alsike Clover.	\$76.50/25#
<u>REEDSWAY PASTURE &amp; WATERWAY MIX</u> -15% Duo Festulolium, 15% Payday Perennial Ryegrass, 10% Profit Orchardgrass, 10%, Lincoln Smooth Bromegrass, 10% Fleet Meadow Bromegrass, 10% Palaton Reeds Canarygrass, 10% Tuukka Timothy, 10% Starfire Red Clover, 10% Alsike Clover.	\$77.75/25#
<u>HAYMAKER MIX</u> - Provides improved persistence, palatability, feed quality and tonnage. 75% Viking 330M Alfalfa, 15% Climax Timothy and 10% Ruby Red Brand Medium Red Clover.	\$108/50#
<u>HOLSTEIN PRO</u> -A premium quality mixture formulated to support the high energy and nutritional demands of lactating dairy and beef cows. 45% Viking 372 HD Alfalfa, 45% Viking 330M Alfalfa, 5% HLR Orchardgrass and 5% STF-43 Tall Fescue Blend.	\$183/50#

**HAY MIX #1 Economo Mix**-70% Vernal Alfalfa, 15% Medium Red Clover, 15% Climax Timothy. **\$110 /50#**  
**HAY MIX #2 Super Hay Mix**-70% 2020 Supreme Brand Alfalfa, 15% Starfire Red Clover, 15% Tuukka Timothy. **\$160/50#**  
**HAY MIX #3 All Purpose Mix**-63% 2020 Supreme Brand Alfalfa, 16% Persist Brand Red Clover, 15% Tuukka Timothy, 6% Alsike Clover. **\$153.50/50#**  
**HAY MIX #4 Lowland Mix**-42% Excel Brand 353 BR Alfalfa (w/Apex Green) OMRI Listed, 37% Persist Brand Red Clover, 16% Tuukka Timothy, 5% Alsike Clover **\$169/50#**  
**HAY MIX #6 Highland Mix**-82% 2020 Supreme Brand Alfalfa, 10% Starfire Red Clover, 8% Tuukka Timothy. **\$164/50#**  
**HAY MIX #7 Dairyman's Dream**-90% 2020 Supreme Brand Alfalfa, 10% Tuukka Timothy. **\$160.75/50#**  
**HAY MIX #8 Dairyman's Hy-Grass**-81% 2020 Supreme Brand Alfalfa, 9% Starfire Red Clover, 5% Profit Orchardgrass, 5% Tuukka Timothy. **\$167.25/50#**

**ANNUAL FORAGES AVOID PRUSSIC ACID POISONING**

**GERMAN MILLET** **\$47/50#**  
**PEARL MILLET** **\$70/50#**  
**EXCEED HYBRID PEARL MILLET BMR** **\$92/50#**  
**JAPANESE MILLET** **\$53/50#**  
**PROSO MILLET** **\$33/50#**  
**REDTOP PLUS BMR FORAGE SORGHUM** Ask  
**BUNDLE KING FORAGE SORGHUM** **\$73/50#**  
**VIKING 401 BMR FORAGE SORGHUM** **\$82/50#**  
**GRAIN SORGHUM**-CALL FOR VARIETIES/PRICING  
**NUTRIPLUS BMR SORGHUM SUDANGRASS** Ask  
**VIKING 100 SORGHUM SUDANGRASS** **\$52/50#**  
**VIKING 200 BMR SORGHUM SUDANGRASS** **\$70/50#**  
**VIKING 300 P-S BMR SORG/SUD** **\$76/50#**  
**CADAN WMR SORGHUM SUDANGRASS** **\$52/50#**  
**TRIDAN SORGHUM SUDANGRASS** **\$45/50#**  
**PIPER SUDANGRASS** **\$70/50#**  
**PRO-MAX BMR HYBRID SUDANGRASS** **\$91/50#**

**Non-GMO, UNTREATED SEED CORN**

WE OFFER COMPLETE LINES OF SEED CORN VARIETIES FROM:

**MASTERS CHOICE** **PRAIRIE HYBRIDS**  
**VIKING CORN** **WELTER SEED & HONEY CO.**

**Non-GMO, UNTREATED OPEN-POLLINATED CORN**

**MIN-13**- 95-100 day **\$113/80M**  
**KING PHILIP (Red)** – 100-105 day **\$113/80M**  
**REID YELLOW DENT** 100-110 day **\$107/50#**  
**RAINBOW FLINT** 110 day **\$113/80M**  
**BLUE CORN OP** 110 day **\$56.50/40M**

**ORGANIC FERTILIZER AND SOIL AMENDMENTS**

**NATURE SAFE ORGANIC NITROGEN FERTILIZER 13-0-0 pelleted**  
OMRI LISTED, Protein based, Slow-release. Excellent for Corn!  
Ton in 50#bags-\$1028.50 Ton Totes-\$1019.70 50# bag-\$30.86  
**NATURE SAFE ORGANIC FERTILIZER 8-5-5 pelleted**  
OMRI LISTED, Protein and sulfate of potash. Ton Totes Only-\$936.50  
**NATURE SAFE ORGANIC FERTILIZER 10-2-8 Coarse crumbles**  
OMRI LISTED, Protein and sulfate of potash.  
Ton in 50#bags-\$1098.50 50# bag-\$32.96  
**NATURE SAFE ORGANIC FERTILIZER 7-12-0 Coarse crumbles**  
OMRI LISTED, Protein based. Ton Totes Only-\$852.50

**OHIO EARTH FOOD PRODUCTS:**

**RE-VITA PRO (5-4-5) OMRI LISTED, NOP COMPLIANT**  
Ton in 50# bags-\$688 Ton Totes-\$633 50# bag-\$23.50  
**RE-VITA COMPOST PLUS (3-4-3) NOP COMPLIANT**  
Ton in 50# bags-\$400.00 50# bag-\$15.99  
**RE-VITA Hi-K (2-3-16) NOP COMPLIANT**  
Ton in 50# bags-\$899.60 50# bag-\$27.99  
**CHILEAN NITRATE 15-0-2 OMRI LISTED**  
50# bag \$31.99

**SOFT ROCK PHOSPHATE OMRI LISTED-Granular**

Ton in 50# bags - \$472.00 50# bag \$15.00  
**AZOMITE MINERAL AND TRACE ELEMENT POWDER**  
OMRI LISTED 44# bag-\$21.25  
**SULFATE OF POTASH 0-0-50-17S OMRI LISTED**  
Ton in 50# bags - \$975.00 50# bag \$28.50  
**AGRO-LIG HUMATE OMRI LISTED**  
Ton in 50# bags - \$704 50# bag \$22.00  
**THORVIN KELP MEAL OMRI LISTED** *Ascophyllum nodosum*  
50# bag-\$58

**WORM CASTINGS (1-0-0)R NOP COMPLIANT** 20# bag \$17.00  
**PELLETIZED DOLOMITE LIME NOP COMPLIANT** 50# bag-\$7.00  
**PELLETIZED HI-CALCIUM LIME NOP COMPLIANT** 50# bag-\$7.00  
**90% TIGER SULPHUR OMRI LISTED** 50# bag-\$19.00  
**NU-SOFT GYPSUM NOP COMPLIANT** 40# bag-\$6.50

**LIQUID FERTILIZERS & FOLIAR SPRAYS**

**ORGANIC GEM LIQUID FISH FERTILIZER 3-3-.3 OMRI LISTED**  
1 Gallon-\$26 55 gallon drum-\$300.00 275 Gallon Tote \$1435  
**JUMP START II 4-1-6 NOP COMPLIANT** 20# Pail \$210  
**BIO-HUME 12% CONCENTRATED LIQUID HUMUS NOP COMPLIANT** 1 Gallon-\$24.00  
**MICRONIZED SOLUBLE FISH POWDER WITH CRAB**  
NOP COMPLIANT 25# \$159.00  
**MAXICROP SOLUBLE SEAWEED POWDER 0-0-17 OMRI LISTED**  
22# Carton \$215.00 44# Carton \$385.00

**ANIMAL FEED SUPPLEMENTS**

**THORVIN KELP MEAL OMRI LISTED**  
*Ascophyllum nodosum* 50# bag-\$58

**INSECT AND DISEASE CONTROLS**

**MONTEREY B.T. OMRI LISTED** 16 oz.-\$13.25  
**MONTEREY GARDEN INSECT SPRAY (Spinosaad) OMRI LISTED**  
16 oz. Bottle-\$21.99  
**MONTEREY 70% NEEM OIL OMRI LISTED**  
16 oz. Concentrate - \$23.50  
**SURROUND WP CROP PROTECTANT OMRI LISTED**  
25# Bag - \$44.00

**HERBICIDES**

**WEEDGUARD PLUS BIODEGRADABLE PAPER BED MULCH OMRI LISTED** 24" X 250' - \$32.50 48" X 250' creped - \$56.50  
**AVENGER WEED KILLER HERBICIDE OMRI LISTED**  
Quart Concentrate-\$25.00 Gallon Concentrate-\$80.00

**POTTING SOIL**

**THE SEED CATAPULT NOP COMPLIANT**  
30 qt. (1 cu. ft.) Bag-\$9.70 60-240 Bags-\$8.45

**PLANT PRO POTTING SOIL NOP COMPLIANT**  
30 qt. (1 cu. ft.) Bag-\$8.70 60-240 Bags-\$7.45

NOP COMPLIANT (National Organic Program) indicates the product is compliant to the best of our knowledge. Certified growers should confirm acceptability with their certification agency. Small orders are shipped via UPS or FedEx. Orders over 400 lbs. can usually be shipped more economically by freight. Please note that someone must be there to unload freight orders. Finding a delivery location with a dock or forklift usually results in lower freight cost. We will gladly quote freight or delivery rate or help figure your UPS/FedEx charges. Shipping weights must be added separately.

**Prices subject to change at any time.**

**CLOVERLAND AG SERVICE LLC**

Office: 6330 T. R. 309 Millersburg. OH 44654  
WAREHOUSE FACILITY: 7422 C. R. 201 Millersburg, OH 44654  
**PICK-UP by APPOINTMENT ONLY**  
Call: 330-231-4484 OR 330-231-4483

A special thanks to The Ohio State University – Agriculture Research and Development Center for conducting an Ohio organic corn performance trial. Below are the results of the trial with Early Maturity varieties.

Summary - Ohio Organic Corn Performance 2019																												
Early Maturity		Apple Creek									Wooster									Summary						Cash price		\$8.50
																										Drying charge per point moisture		\$0.03
Brand	Hybrid	RM	Plant Rate	Final Std.	Yield	Harv. Mstr.	SL	EM	TW	Plant Rate	Final Std.	Yield	Harv. Mstr.	SL	EM	TW	Yield Rank	Plant Rate	Final Std.	Yield	Harv. Mstr.	SL	EM	TW	Summary		Gross \$/Acre	
1	Blue River	48G35	102 day	335	299	244.6	20.1	8	89	55.4	343	306	244.4	19.8	1	89	56.1	3	339	303	244.5	20.0	4	89	55.8			2045.28
2	Blue River	49K70	103 day	339	310	225.5	23.5	1	91	55.3	345	325	224.4	22.4	0	94	55.7	11	342	318	224.9	22.9	1	93	55.5			1861.71
3	Blue River	51T59	103 day	340	303	228.1	20.2	14	89	56.3	341	317	237.7	20.7	2	93	55.8	9	340	310	232.9	20.5	8	91	56.1			1945.08
4	Masters Choice	MC 5250	102 day	348	298	221.5	21.1	1	86	57.4	351	314	233.4	20.5	1	89	57.2	10	350	306	227.4	20.8	1	87	57.3			1896.78
5	Merit	O 3238	98 day	345	319	203.6	19.2	2	93	57.2	346	330	208.7	18.7	8	96	57.7	15	345	325	206.2	18.9	5	94	57.4			1731.15
6	Merit	O 5345	103 day	338	316	219.8	22.1	7	93	54.5	348	340	225.7	20.7	6	98	55.5	12	343	328	222.7	21.4	6	96	55.0			1853.68
7	Merit	O 5454	104 day	346	305	252.0	21.7	3	88	54.3	338	317	253.0	20.8	5	94	54.8	1	342	311	252.5	21.2	4	91	54.5			2103.01
8	Merit	O 6160	106 day	342	319	238.5	22.6	1	93	54.6	342	334	235.3	20.8	0	98	54.0	8	342	327	236.9	21.7	0	96	54.3			1969.45
9	Merit	O 6765	105 day	337	296	220.6	21.3	5	88	55.2	346	324	221.3	20.2	2	94	55.4	13	341	310	221.0	20.8	3	91	55.3			1843.21
10	Prairie Hybrid	PH 2741	102 day	343	312	231.3	19.9	3	91	55.3	342	318	254.0	19.5	4	93	55.4	7	342	315	242.7	19.7	4	92	55.4			2031.63
11	Prairie Hybrid	PH 3081	104 day	339	313	241.2	21.9	3	92	58.7	338	324	244.3	21.0	2	96	58.7	6	338	318	242.7	21.4	2	94	58.7			2020.12
12	Prairie Hybrid	PH 4711	106 day	329	304	243.9	21.4	21	92	55.8	342	322	243.9	20.9	34	94	56.0	4	335	313	243.9	21.1	28	93	55.9			2031.83
13	Viking	O.51-04PGS	104 day	341	320	247.3	19.6	8	94	55.6	347	334	246.4	20.0	14	96	55.7	2	344	327	246.8	19.8	11	95	55.6			2066.30
14	Viking	O.55-02UP	102 day	339	272	200.7	22.2	1	80	57.1	339	280	205.0	20.7	0	83	57.4	16	339	276	202.8	21.4	1	81	57.2			1687.70
15	Viking	O.98-98P	98 day	340	294	213.0	18.5	3	87	56.4	341	299	220.7	18.4	2	88	56.4	14	340	297	216.9	18.4	2	87	56.4			1824.26
16	Welter Seed & Honey	WS 2482	104 day	333	286	250.0	22.4	5	86	53.7	343	289	235.7	21.1	1	84	55.1	5	338	287	242.8	21.7	3	85	54.4			2018.55
	High			348	320	252.0	23.5	21	94	58.7	351	340	254.0	22.4	34	98	58.7		350	328	252.5	22.9	28	96	58.7			2103.01
	Average			339	304	230.1	21.1	5	90	55.8	343	317	233.4	20.4	5	92	56.0		341	311	231.7	20.8	5	91	55.9			1933.11
	Low			329	272	200.7	18.5	1	80	53.7	338	280	205.0	18.4	0	83	54.0		335	276	202.8	18.4	0	81	54.3			1687.70
	LSD .10			NS	17.8	14.6	1.0	9.6	4.8	0.9	NS	13.5	12.9	0.9	13.1	4.0	0.7		NS	8.3	9.8	0.8	7	2.7	0.6			
	CV			2.4	4.9	5.3	3.9	150	4.5	1.3	1.7	3.6	4.7	3.6	214	3.6	1.1		1.1	1.5	2.4	2.2	75	1.7	0.6			
	Soil Type			Canfield Silt Loam									Canfield Silt Loam															
	Soil Test (pH,P,K)			7.4, 232, 466									6.9, 90, 306															
	Previous Crop			Barley / Double Crop Soybean									Red Clover															
	Planting /Harvest Dates			May 24 / Nov. 15, 2019									May 25 / Nov. 16, 2019															
	Tillage			Conventional Tillage									Conventional Tillage															
	Fertilizer (N,P,K)			148, 117, 227									129, 191, 222															
	Cooperator			Gerald Reid / Ken Scaife, OARDC									Gerald Reid / Ken Scaife, OARDC															
	County			Wayne									Wayne															

Gross \$/ac formula is live and moisture adjusted to 15.5%  
Please change the cash price and drying charge for your local markets.

A special thanks to The Ohio State University – Agriculture Research and Development Center for conducting an Ohio organic corn performance trial. Below are the results of the trial with Full Maturity varieties.

**Summary - Ohio Organic Corn Performance 2019**

Full Season		Apple Creek									Wooster									Summary			Drying charge per point moisture			Cash price				
Brand	Hybrid	RM	Plant Final			Harv.			SL	EM	TW	Plant Final			Harv.			SL	EM	TW	Yield	Plant Final	Harv.			Summary			Gross \$/Acre	
	No.		Rate	Std.	Yield	Mstr.	SL	EM	TW		Rate	Std.	Yield	Mstr.	SL	EM	TW		Rank	Rate	Std.	Yield	Mstr.	SL	EM	TW				
1	American Organic	AM 2468	108 day	341	315	234.8	22.7	1	92	53.8	344	326	248.3	20.8	1	95	54.9	10	342	320	241.6	21.7	1	94	54.3	2008.04				
2	American Organic	AM 2500	110 day	341	278	231.0	23.0	2	82	56.2	338	322	257.1	21.9	2	95	56.3	5	339	300	244.0	22.5	2	88	56.3	2023.30				
3	American Organic	AM 2785	112 day	342	324	260.5	24.6	2	95	53.0	339	324	257.7	23.0	1	96	54.0	1	340	324	259.1	23.8	2	95	53.5	2137.70				
4	Blue River	57A30	107 day	340	313	230.0	21.9	1	92	54.4	337	318	240.5	20.7	1	94	54.9	15	338	315	235.2	21.3	1	93	54.6	1958.60				
5	Blue River	62G22	110 day	341	325	249.5	23.3	1	95	53.6	340	334	255.9	20.7	2	98	54.5	3	340	330	252.7	22.0	1	97	54.0	2098.43				
6	Blue River	66G25	112 day	340	320	237.4	24.7	2	94	54.3	340	324	255.3	23.3	2	95	55.9	4	340	322	246.4	24.0	2	95	55.1	2031.40				
7	Masters Choice	MC 5790	107 day	339	303	236.9	24.1	0	89	54.3	339	313	240.0	23.6	1	92	54.0	12	339	308	238.5	23.8	1	91	54.2	1967.13				
8	Masters Choice	MC 6150	111 day	343	318	229.4	26.5	1	93	50.2	343	329	246.2	24.1	3	96	51.4	13	343	323	237.8	25.3	2	94	50.8	1951.21				
9	Masters Choice	MC 6580	115 day	344	305	228.7	28.6	4	89	51.0	342	317	235.4	25.9	7	93	50.7	17	343	311	232.1	27.3	6	91	50.9	1890.54				
10	Merit	O 6869	109 day	342	312	228.7	21.9	0	91	52.8	340	330	245.7	21.4	1	97	53.1	14	341	321	237.2	21.7	0	94	52.9	1972.11				
11	Merit	O 6969	107 day	344	285	228.6	22.0	3	83	54.4	338	318	237.8	21.8	6	94	55.2	16	341	301	233.2	21.9	4	88	54.8	1937.28				
12	Prairie Hybrid	PH 5351	109 day	338	321	210.9	24.3	2	95	57.0	340	326	231.6	24.0	2	96	56.8	18	339	324	221.3	24.1	2	96	56.9	1823.29				
13	Prairie Hybrid	PH 7781(Discontinued)		343	321	241.7	25.2	4	94	53.7	342	318	245.2	24.2	8	93	55.0	6	342	320	243.4	24.7	6	93	54.4	2002.02				
14	Prairie Hybrid	PH 7861	112 day	346	314	218.0	23.3	2	91	57.0	346	326	222.7	22.4	1	94	57.8	19	346	320	220.3	22.9	1	93	57.4	1824.30				
15	Prairie Hybrid	PH 8751	114 day	341	312	256.8	24.3	10	91	53.1	342	327	250.1	24.7	6	96	52.4	2	341	319	253.5	24.5	8	94	52.7	2086.21				
16	Viking	O.48-08PGS	108 day	343	308	233.1	24.4	3	90	51.9	339	318	252.1	21.9	1	94	52.4	7	341	313	242.6	23.1	2	92	52.1	2006.78				
17	Viking	O.74-10PGS	110 day	339	314	241.7	22.9	1	93	54.5	342	318	242.8	22.4	1	93	54.6	8	340	316	242.2	22.6	1	93	54.5	2007.17				
18	Viking	O.82-14PGS	114 day	338	299	220.4	24.2	25	88	53.0	341	318	257.6	23.1	4	93	53.9	11	339	309	239.0	23.6	14	91	53.4	1973.34				
19	Welter Seed & Honey	WS 4816	108 day	338	305	239.2	22.1	4	90	54.2	337	311	244.7	21.1	3	92	55.8	9	337	308	242.0	21.6	4	91	55.0	2012.32				
	High			346	325	260.5	28.6	25	95	57.0	346	334	257.7	25.9	8	98	57.8		346	330	259.1	27.3	14	97	57.4	2137.70				
	Average			341	310	234.6	23.9	4	91	53.8	340	322	245.6	22.7	3	95	54.4		341	316	240.1	23.3	3	93	54.1	1984.80				
	Low			338	278	210.9	21.9	0	82	50.2	337	311	222.7	20.7	1	92	50.7		337	300	220.3	21.3	0	88	50.8	1823.29				
	LSD .10			NS	16.7	15.5	1.4	7.5	4.9	0.9	NS	NS	16.8	1.2	3.9	NS	1.1		NS	13.5	13.0	1.1	NS	NS	0.8					
	CV			1.1	4.6	5.6	4.8	175	4.6	1.3	1.4	3.4	5.8	4.4	117	3.3	1.7		5.0	2.5	3.1	2.7	116	2.6	0.9					
	Soil Type			Canfield Silt Loam									Canfield Silt Loam									Gross \$/ac formula is live and moisture adjusted to 15.5%								
	Soil Test (pH,P,K)			7.4, 232, 466									6.9, 90, 306									Please change the cash price and drying charge for your local markets.								
	Previous Crop			Barley / Double Crop Soybean									Red Clover																	
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