WHO WE ARE  NEW Cooperative Precision Ag is a full-service agronomic provider that supplies precision agriculture solutions through services, sales and support to customers looking to add value to their farming operation. The products and services available assist farmers in gaining insight into their fields to improve management decisions. All the services and solutions offered by NEW Cooperative are customized and tailored for each farmer’s individual needs to best fit their specific farming objectives.

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NEW COOPERATIVE PRECISION AG
PRODUCT GUIDE

COMPASS | 7” Display

AN ENTRY-LEVEL SOLUTION OFFERING GUIDANCE AND VIRTUAL TERMINAL CAPABILITIES
The Compass display offers integrated onscreen guidance to increase accuracy and extend working hours. Additionally, the Compass display supports the most common and advanced guidance patterns, including SmartPath™.

Features:
- Compact design with built-in lightbar
- 7” color touchscreen
- Built-in manual guidance
- Combine with OnTrac3™ assisted steering or SteerCommand™ with GPS 6500 integrated steering system for high-end guidance
- Compatibility with ISO 11783 Virtual Terminal Standard
- Fullscreen mapping

VERSATILE PRECISION AG DISPLAY
Our sleekest, most flexible display ever. Loaded with new looks and interaction all with the same user-friendly functionality you’ve come to expect from Ag Leader.

The InCommand 800 display serves as an economical hub for your precision farming operations.

Features:
- Tablet-like interaction
- DisplayCast™
- Swipe, pinch, pan and zoom gesture support
- Touch and go homescreen apps
- Satellite imagery background
- Display to display communication
- Integrated lightbar
- Year-round functionality
- ISOBUS/Universal Terminal/Task Controller
- WiFi adapter included
- Syncs data, maps with iPad using AgFiniti® Mobile

DisplayCast™ Feature allows you to transfer configurations, guidance lines and coverage maps. Available on the 800 and 1200 Models

800

INCOMMAND 800 | 8.4” Display

INCOMMAND 1200 | 12.1” Display

THE FLAGSHIP OF THE INCOMMAND LINE
Our smartest, simplest, most flexible display ever. Loaded with advanced features and user-friendly functionality you’ve come to expect from Ag Leader.

Features:
- Tablet-like interaction
- DisplayCast™
- Touch and go homescreen apps
- Split screen view
- Row by row mapping
- Display to display communication
- Satellite imagery background
- Integrated lightbar
- Advanced planter control
- Year-round functionality
- ISOBUS/Universal Terminal/Task Controller
- WiFi adapter included
- Syncs data, maps with iPad using AgFiniti Mobile

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3
NEW COOPERATIVE CARRIES A FULL LINE OF AG CAMERAS THAT CAN BE INTEGRATED WITH AG LEADER and TOPCON DISPLAYS

Choose from these Dakota Micro Products: Ag Cam Camera Systems, Overview and Overview Wireless Cameras, Ranch Hand Wireless and Innopro Camera Systems

1. AG CAM
   - 100% waterproof
   - Camera optics are able to function in highly dusty conditions
   - Able to withstand high vibration for long periods of time

2. OVERVIEW WIRELESS
   - Built-in, high quality CCD camera with high performance infrared (IR) illuminator modules
   - 2.8mm Camera lens provides 120 degree field of view

3. OVERVIEW
   - Watertight cameras
   - Automatic IR night vision gives you 45°+ of viewing in complete darkness
   - Unique bracket design allows camera to be mounted in ANY orientation field of view

4. RANCH HAND WIRELESS
   - Waterproof housing
   - Sealed against extremely high humidity
   - Allows for easy wireless upgrade to your AgCam system

5. INNopro
   - Ruggedized IP Camera Built in the U.S.A.
   - IP69 – Waterproof Under Pressure
   - Shockproof, Suitable for Nearly Any Use
   - Built-In, High Quality CCD Camera

Also available are third-party Camera Adapter Cables for the following Displays and Monitors:

- JD 2630 Display, JD Command Center Adapter, JD 6R Command Center, CNH Intelliview Displays, Topcon X30, Trimble FMX, Trimble CFX 750, Ag Leader Integra, Ag Leader Versa, AGCO C1000 Monitor, AGCO C2000 Monitor and AGCO GTA Monitor

20|20 SEEDSENSE TAKES THE BLINDFOLD OFF, SO YOU SEE WHAT YOU’RE REALLY PLANTING

Easy to navigate, easy to see results.
20|20 SeedSense has everything you’d want to know about your planter’s performance on screen, and it’s easy to navigate with intuitive touch points.
Find hidden mechanical problems and correct them at planting. Perfect your planter performance by adjusting meters, vacuum pressure, transmissions and speed. Improve productivity and measure and adjust down force.
Pair with Climate FieldView to take information from your 20|20 SeedSense and conveys it through instant, high-definition maps. It just makes sense.
THE ECONOMICAL WAY TO ADD ASSISTED STEERING TO YOUR OPERATION

- Quick, easy “Lock-n’-Roll” installation
- Easily transfer between vehicles
- Auto-calibration for simple vehicle tuning and calibration
- Gear driven motor
- New clutchless, brushless Mechanical Drive Unit
- Nine-axis terrain compensation
- LED diagnostic lights
- Easy to engage/disengage from the display
- Controlled by all current offering Ag Leader displays
- Custom install kits available on over 700 vehicles

UNRIVALED GNSS TECHNOLOGY

- Differential corrections include GLIDE, WAAS/EGNOS
- GLONASS standard
- GLIDE offers improved accuracy without subscription-based differential correction
- Increased signal uptime provided by standard StableLoc™ technology
- LED diagnostics for at-a-glance system monitoring
- Integrated magnets and included mounting plate with locating pins provide repeatable mounting
- Sealed, compact, rugged design

GPS RECEIVERS

GPS 6000

Single-frequency receiver designed for general mapping and AutoSwath functions with up to 10 Hz output.

GPS 7500

Fully scalable, rugged Smart Antenna, designed to meet the needs of extended RTK baselines in excess of 20 miles.

Differential corrections include GLIDE, WAAS/EGNOS, TerraStar L and Pro, and RTK (with Relay). Up to 20 Hz output.

HIGH ACCURACY, REPEATABILITY AND RANGE

- GPS 7500 with Relay 400 or Relay 900 have base and rover functionality
- Wi-Fi capability allows for easy web browser setup from any smartphone or tablet
- GLONASS standard

STEER COMMAND

BEST-IN-CLASS AUTOMATED STEERING PERFORMANCE

For growers seeking an integrated steering experience, SteerCommand offers best-in-class integrated steering performance when paired with GPS 6500 for repeatable, precision steering via RTK correction.

- Access to CORS and RTK networks for repeatable sub-inch accuracy with GPS 6500 combined with Relay
- GPS 7500 with SteerCommand supports GLIDE, WAAS/EGNOS, TerraStar and RTK
- Nine-Axis Terrain Compensation
- Internal compass helps maintain steady heading
APPLY HD FLEX

FLOW MEASUREMENT AND CONTROL ON-ROW

vApplyHD is the industry first, on-row liquid control product which incorporates flow measurement and control into a single device. Its row-by-row features include turn compensation, swath, automatic flow balancing, and variable rate prescription execution. The module is easy to install, simple to use, and designed with industry leading flexibility. The vApplyHD module is used, without modification, from the lowest pop-up rates on the planter to the highest sidedress rates, across the full range of speeds.

*For use with Precision Planting 20|20 Monitor.

DIRECT COMMAND

COMPLETE CONTROL OVER LIQUID AND GRANULAR APPLICATION

Whether you have an NH3 toolbar, Liquid N sidedress unit, sprayer, spreader or electric starter fertilizer pump on your planter, DirectCommand will transform the application process, allowing for maximum control.

- Liquid and Dry Rate Control
- Eliminate overapplication, overlap, and spray drift
- Increase productivity during tight application windows
- Applying multiple products at one time
- Compatible with NORAC UC-5 Height Control

ISOBUS Task Controller offers capability for single-product ISOBUS-equipped sprayers, provides support for AutoSwath™ Control, Prescription Rate Control and Data Logging.

OptRx Crop Sensors measure crop health and provide application rate recommendations in real time to maximize your profit.

ULTRASONIC SENSING FOR BOOM HEIGHT CONTROL TECHNOLOGY

- Intuitive User Interface
- Automatically maintains a preset height above the ground or crop
- Adjust spray nozzle height on-the-go with the push of a button
- Shows the height that the nozzle tips are from either the top of the crop or the soil
  - May override using existing in-cab controls
  - Quick and easy to use with NORAC’s automated setup and user-friendly interface
  - Compatible with Ag Leader and Topcon Displays

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**360 SOILSCAN**

**DON’T GUESS HOW MUCH NITROGEN YOU HAVE LEFT IN YOUR SOIL – KNOW**

360 SOILSCAN is a portable soil testing system that lets you accurately test nitrate nitrogen availability and soil pH right in your field, in about five minutes.

- Field-side soil nitrate and pH analysis
- Fast and accurate results
- Rugged case protects it from the elements
- Four sensor slots to allow for future innovations
- Easily transported and operated from the back of your truck or ATV
- Uses your iPad® as the operating platform and upgrades without new hardware

**EASY TO TRACK FIELD INTELLIGENCE**

360 YIELD PATROL® the new 360 SOILSCAN companion app for iPad and iPhone®.

- Record and track soil samples using QR codes
- Store soil test data digitally
- Link information between 360 YIELD PATROL and 360 SOILSCAN
- Compatible with NORAC UC-5 Height Control

**360 UNDER COVER**

**APPLY FUNGICIDES, INSECTICIDES AND NUTRIENTS UNDER THE CROP CANOPY**

When plants aren’t healthy, nitrogen utilization can be limited and yields can suffer. With 360 UNDERCOVER, you can target your fungicide, insecticide and nutrient application where it’s needed most — under the crop canopy.

- Flexible fungicide, insecticide and nutrient applications
- Under-canopy application
- Targeted application

**360 Y-DROP**

**UNIQUE DESIGN ENABLES YOU TO APPLY LATE-SEASON NITROGEN — EVEN UP TO TASSEL**

Corn uses 75% of its nitrogen after V10. Make sure it has enough nitrogen to finish the season strong with 360 Y-DROP. 360 Y-DROP allows you to apply nitrogen exactly where it’s needed — as late as VT, giving you the widest sidedress window ever, for more flexibility and bigger yields.

- Variable rate nitrogen application
- Apply nitrogen within 2 to 3 inches of the stalk base
- Y-DROP gives you the flexibility to extend the midseason application window from V6 to VT
- Narrow-row design with four-position adjustable arms allows precision placement in 15-inch to 36-inch rows
- Variable rate nozzles are available
- New breakaway mounting brackets
- Newly designed shield
- Available in 20-inch to 30-inch row spacing.
- You can install and remove it easily on most sprayers

**360 Y-DROP SIDEDRESS**

Where you place nitrogen is just as important as when you place it. Upgrade your coulter bar with 360 Y-DROP Sidedress and get precise nitrogen placement well into V6 for more flexibility and bigger yields.

- Later-season nitrogen application
- Precision nitrogen placement
- Simple retrofit to existing coulter bar

**360 Y-DROP STEERING & BOOM HEIGHT**

Limited 2018 Release and Models available. Contact your NEW Cooperative Precision Ag Hardware Specialist for more information.
SUREDRIVE - Control your meter at the row.
True to Ag Leader’s traditional “color-blind” approach, SureDrive is built to install on most major planter brands on the market. Uniquely, the efficient, yet high torque electric drive motor isn’t tied to a specific brand or type of seed meter, including hard pulling finger meters, making it able to optimize the meter and planter you already have.

- Maintenance free
- Four cold forged, high-grade steel gears, precision bearings and a drive chain, all submersed in a full synthetic fluid bath
- Turn compensation

ADVANCED SEED MONITORING
SeedCommand offers complete planter monitoring functions, eliminating the need for an additional planter monitor.

View row-by-row performance in real-time on:
- Population
- Spacing quality
- Seed spacing
- Skips
- Doubles

SURE-VAC SHUT OFFS
Using GPS, Ag Leader’s SeedCommand or a compatible planter control system communicates with SureVac to turn planter sections on/off based on field maps and already-planted areas. The shutoff stops seed flow by cutting off the vacuum at the top of the seed disk. Planting is stopped and seeds fall back into the seed meter’s seed pool. When the shutoff device is pulled away from the seed disk, vacuum is restored and planting continues as normal.

SureVac is designed for John Deere Pro-Series™ XP row units, but is also compatible with any John Deere vacuum seed meter manufactured in the last 20 years.

HYDRAULIC UPLIFT & DOWN FORCE
Ag Leader’s Hydraulic Down Force system adjusts pressure instantly in changing soil types without the inconsistency created by pneumatic systems that respond over a longer period of time. It could take an air bag system up to 20 seconds to inflate enough to create the proper down force, compared to one second with Ag Leader’s Hydraulic Down Force System. The difference? A quarter acre using a 24-row planter.

VARIABLE RATE CONTROL
Enables variable rate application by product for more efficient use of inputs. Variable rate allows the operator to utilize prescription maps for seeding and application rates, matching their seed and fertilizer inputs to attributes such as soil type.

PROVIDE A DESIRABLE TYPE OF TILLAGE
Martin row cleaner teeth continuously engage the soil to the shallow depth of 1” to 1 1/2”. The scarifying of the soil’s surface layer makes it easier for the seed openers to open a well-defined “V” but without furrowing out or causing slabling or fleaking. Martin Row Cleaners come in two basic types: rigid and floating and offer 3/8” thick, high-strength, right- and left-toothed wheels with diamond shaped points and stationary triple-lip seals and heavy-gauge oval dust caps

LEVEL ROW AND SEAL AIR POCKETS
Following behind the Spading-Closing Wheels the Martin Till Twisted Drag Chain helps to further crumble and level the soil. This helps even out the rate of drying and insures the soil does not dry past seed depth. This is a low cost, low maintenance way to help increase uniform emergence in the drier parts of the field and is a must when using the spading closing wheels in minimum till.
THE SIMPLE, SAFE SOLUTION FOR BANDING NITROGEN WITH YOUR PLANTER

Banding nitrogen with the planter helps boost efficiency – nutrient efficiency and time efficiency. But it is critical that adding this operation to your planter pass does not interfere with the critical functions of the planter – getting seeds at the right depth, right spacing and firmed beneath the soil surface.

CAPACITY AND BALANCE FOR IN-FIELD PRODUCTIVITY

Liquid nitrogen tanks from 360 Yield Center deliver the things you need for an efficient on-planter nitrogen system: weight balance, capacity, visibility, and accessibility.

A SIMPLE ADDITION THAT REDUCES THE RISKS OF AN OPEN SEED AND FERTILIZER TRENCH

The 360 DRAG CHAIN is an advancement over ordinary drag chains in two ways: A simpler mounting system and a flexible extension arm that keeps chains from getting caught on spike-style closing wheels.

The 360 DRAG CHAIN covers a wider swath - designed to work with 360 BANDIT to help seal the fertilizer slot created by the 360 BANDIT’s fertilizer coulter.

NEW FOR SPRING 2019 - 360 SPRINT

BOOST PLANTER PRODUCTIVITY BY 30% WITH NITROGEN ON THE GO!

The 360 SPRINT system lets you re-supply nitrogen on-the-go and in the field. Like a jet refueling system, 360 SPRINT uses a modified UTV with an innovative docking system to lock onto your planter and transfer up to 300 gallons to the planter or tractor tanks.

ALSO COMING IN 2016 - 360 DASH

ROW BY ROW CONTROL

vDrive is a custom planter on each row. Whatever you need and ask of that row happens. Period. Combine them with vSet meters and get amazingly precise population control through curves and ground speed changes.

ROW FLOW CONTROL SYSTEM

PLANT FOR THE RIGHT POPULATION

Each motor plants the population precisely by zone.

- Execute variable rate prescriptions
- Avoid overpopulation
- Compatible with eSet

DELTA FORCE

BAD ROOT STRUCTURE IS A HIDDEN LOSS

AirForce’s Big Brother with individual row control. From flat fields to varied terrains, and across all soil types, each row as unique control.

- Hyper-responsive hydraulics
- Two directions of control

vDRIVE INSECTICIDE

COMPLETE THE CHAINLESS PLANT

vDrive Insecticide is the electric motor-driven insecticide meter that provides accurate delivery across your entire speed range. Row by row control for your insecticide delivery is now within reach.

FERTILIZER SYSTEMS

COMPLETE LIQUID FERTILIZER PLANTER KITS

Keep liquid fertilizer off of your expensive machines!

- The 3/4” wide Fin made of UHMW plastic ensures long wear life and replaces the traditional 1” wide seed firming wheel.
- The Fin places liquid fertilizer at the deepest point of the furrow. Regardless if the Fin is brand new or worn to 50%, the patented design keeps the delivery point deep in the furrow.
**FURROW JET**

**FOR IDEAL STARTER PLACEMENT**

Precision Planting has developed a new planter fertilizer attachment called FurrowJet, which accurately places liquid fertilizer in ideal locations for nutrient absorption.

The attachment integrates dual-band near furrow 3/4” placement with optional third band in-furrow for maximum plant uptake, rate flexibility, and suited for a wide range of liquid product options.

- Designed for simplicity and flexibility
- FurrowJet’s placements give the seedling and crown roots immediate and continuous access to the nutrients

**vAPPLY HD**

**FLOW MEASUREMENT AND CONTROL ON-ROW**

vApplyHD is the industry first, on-row liquid control product which incorporates flow measurement and control into a single device. Its row-by-row features include turn compensation, swath, automatic flow balancing, and variable rate prescription execution. The module is easy to install, simple to use, and designed with industry leading flexibility. The vApplyHD module is used, without modification, from the lowest pop-up rates on the planter to the highest sidedress rates, across the full range of speeds.

*For use with Precision Planting 20/20 Monitor.

**AIR FORCE**

**INSTANTANEOUS AND AUTOMATIC INCREASE OR REDUCTION IN DOWN FORCE AS NEEDED**

AirForce continuously adjusts the applied down force to changing soil types by changing the pressure in your air bags as conditions and hopper weights change, so you maintain proper depth. It’s configured specifically for your planter.

- Correct seed depth and healthy root systems

**MECHANICAL PRODUCTS for PLANTING**

- **eSET METER** It has a flat disk with a single vac setting, eliminating constant adjustments. The eSET Meter releases seeds down the center of the tube – critical to optimum spacing. Our standard model fits John Deere vacuum planters that use standard sized hoppers. Our John Deere ProSeries Meter model fits vacuum planters that have the mini-hopper used in planters with the central hopper, including the new MaxEmerge 5 planter. All components mount to your existing meter housing, simply.

- **mSET METER** mSet utilizes a seed selector and a single vSet meter to be able to plant two different hybrids in the field as the planter passes through the varying areas of the field.

- **vSET METER** vSet has a relentless singulator for all kinds of seeds, plus it’s plug and play — just install and go. With vSet Select, you get all the performance of vSet, doubled. Multi-hybrid planting has a high ROI and is suddenly easy to do. See the future of meters in vSet Select.

- **vAPPLY HD FLEX** Product to control Starter fertilizer rates to be more accurate.

- **SPEED TUBE** Planting with SpeedTube enables accurate seed spacing at any speed.

- **CLEAN SWEEP** CleanSweep® does all that hard work for you. It puts row cleaners right where they need to be – where they move the residue but not the soil – and continuously adjusts them as field conditions change. All you need to do is move the cab-mounted controller.

- **WAVE VISION** WaveVision sensors and seed tubes don’t depend on optics. They don’t see seeds, they detect mass, using high-frequency sensors. They can tell the difference between seeds and dust or debris, and count only the seeds.

- **KEETON SEED FIRMERS** With its unique, in-the-trench design, the Keeton Seed Firmer is the only thing that gently firms those seeds to the bottom of the V. So the depth is even.

- **FLOW SENSE** is a small flow meter that goes in the 1/4” or 3/8” hose that goes to your placement tubes.

- **SMART FIRMER** is a seed firmer that will read row by row organic matter, soil moisture, furrow residue. (limited 2018 release)

**PRECISION PLANTING PREMIER DEALER**

A Precision Planting Premier Dealer is a world-class certified precision agriculture expert, with rigorous training and knowledge of the industry and issues facing you today. Our Premier Dealers are experienced professionals helping you know and yield more. A Premier Dealer is the only specialist that can offer the entire Precision Planting product line.
NEW COOPERATIVE PRECISION AG

PRODUCT GUIDE

NEW COOPERATIVE PRECISION AG

FOR IDEAL STARTER PLACEMENT
- Unique combination of sidewall crumbling and soil firming
- Angular tooth design helps prevent clogging
- Works in virtually all soil - from sandy to heavy and clay-based
- Provides improved seed slot closure in both conventional and no-till situations
- Especially effective in saturated soil

CLOSING WHEEL FRAME REPAIR KIT
This kit replaces the bushing on a closing wheel arm with a bearing. It can be used on brand new planters and on planters that already have some wear to the closing wheel arm. Having the closing wheel arms tight is critical to keeping closing wheels centered on the seed trench and ensuring that your closing wheel can operate at peak performance. If your arm is worn, you will need to weld a bearing housing on to the outside of the tailpiece to hold a ball bearing. If the closing wheel arm is new, this is not necessary and saves a lot of cost and work. We recommend updating every tailpiece as soon as you can.

If your planter is an early 7000 you should consider purchasing a new closing wheel frame. The curved tube that supports the closing wheel bearing shafts is very weak on these early frames. Any replacement frame will have a stronger tube. Please specify model of planter so that the correct kit is sent!

Price is per tailpiece (2 bearings/bushings included)

GAUGE WHEEL ARM REPAIR KIT
The gauge wheel arm pivot is the #1 wear point on Max Emerge style planters. This is caused by the fact that the ground load on the gauge wheel is offset from the center of the row where the arm contacts the adjustable stop. This offset load is supported by two points of contact between the pivot pin and the bore of the hub. These points wear and the arm starts to lean allowing the tire to pull away from the opener disk. Moving the arm in is generally the only thing you can do to temporarily compensate.

This repair kit is different from all other kits on the market, because it supports the offset load in a different way and actually solves the problem. The RKP design utilizes a disc spring to preload the outer end of the hub of the arm with enough spring pressure that the arm cannot lean but can pivot freely. Because the arm cannot lean the pressure remains distributed almost uniformly around the circle of contact which is a large area. The result is that wear is practically eliminated.

GAUGE WHEEL MUD SCRAPER
This scraper blade is available for each of the three main gauge wheel tire profiles. The blades are made from 3/16 heat treated steel and are mounted at about a 45 degree angle to the wheel. This allows the scraper to deflect mud outwards, away from the furrow and closing wheels. When the gauge wheel is free of mud and debris, it enables the disc openers to run at a consistent depth, enhancing consistent seed depth and spacing. Please specify planter make and tire profile, so that the correct mounting arm and scraper will be shipped. All pricing is per row (pair of scrapers).

PLANTING
YIELD MONITOR SOLUTION FOR INSTANT CROP YIELD AND MOISTURE DATA

Ag Leader provides the most widely used grain yield monitoring technology in the world. Create and view yield and moisture maps while harvesting and instantly observe how field conditions affect yield. Make year-round management decisions based on this valuable information.

Yield Monitoring Products from AgLeader consist of: SMS Software, Displays, GPS Receivers and Guidance and Steering.

REDUCE HEADER LOSS

Traditional corn heads have gaps in the deck plates and gathering chains that result in corn kernels falling right through. 360 YIELD SAVER eliminates those gaps by adding intermeshing bristles to traditional gathering chains to capture significantly more kernels.

- Mounts easily on corn heads
- Provides a similar wear life to other gathering chains
- Chain includes crop lugs to improve stalk feeding
- 360 YIELD SAVER blocks easily attach to chain
- Replace blocks when they wear out
- Chain wear life similar to conventional chains
- Block life expected to be one to one and a half seasons

ENGINEERED FOR PERFORMANCE

Create the right environment for soil microbes and nitrogen availability with a new approach to residue management. 360 CHAINROLL chops and crimps stalks, making residue more available to microbial breakdown for better soil health and nutrient availability.

- Precision cutting, sizing and residue management
- Directly replace old stalk rolls

360 BULLET

Most rippers do a good job of leaving the surface smooth and level. But what about the soil underneath? With 360 BULLET, you can fracture the complete soil profile, eliminating subsurface berms left by other ripper points for better root penetration and access to nutrients.
THE MOST ADVANCED HEADER CONTROL SYSTEM

Copperhead Concave Systems is proud to manufacture the original RPR Combine Concave System that was designed by Donnie Estes from Frankfurt Indiana. His original design includes a notched round bar, increased space between round bars and adjustable/removable cover plates. Made with hardened steel for a long wear life, these are designed to last the life of your combine! John Deere and Case IH combine owners alike, can benefit from a highly adaptive, easy to use concave system.

HEADSIGHT GUIDANCE SYSTEMS

HORIZON TRUESENSE Row guidance that uses Headsight’s crop sensor with Truesense module using the OEM steering controls

HORIZON TRUESENSE+ Row guidance that uses Headsight’s single crop sensor design with Horizon and the OEM steering controls. Allows Factory row guidance to be used with off brand heads.

TRUESIGHT 2 Truesight 2 row guidance continues the tradition of class-leading performance and flexibility while adding features for the modern harvesting operation.

MAKE SENSE OF YOUR YIELD DATA AND MAKE BETTER DECISIONS FOR YOUR OPERATION

You can capture and analyze your field’s performance by management zones. Then plan for next season with your harvest data integrated with your planting solution.

- Measure flow in the right place
- Forget recalibrations
- Consistent paddle shape

Foresight is an innovative header control system that compensates for snout movement - using ordinary height sensors to get extra-ordinary results.

- Improves header control near the ground
- Increases harvestable yield in down corn
- Adds protection for chopping heads
- Allows faster harvest speeds

Foresight comes standard on the Headsight Horizon Controller, and is a upgrade option available on the Headsight Insight controller.
TerraStar precise positioning in agriculture can minimize costs and maximize yields through improvements in operational efficiency. Embedded into cost effective compatible receivers, TerraStar provides decimetric accuracies at high update rates for planting, spraying, yield mapping, soil sampling, crop walking, vehicle guidance, and farm asset management.

The range of modern sensors and technology now available to farmers requires precise positioning to achieve optimum performance and to gain the greatest operational benefits. Spraying is a typical application where high quality positioning helps prevent skip and overlap with accurate guidance and the ability to selectively activate sprayheads, allowing correctly targeted variable rate application, all contributing to better profitability with lower inputs and less environmental impact.

TerraStar C for 6500 Receiver and TerraStar Pro for 7500 Receiver.

SOILMAP Data Management allows producers the ability to enhance their decision making through complete understanding of their fields by compiling and analyzing multiple years worth of field data. Data Management users able to combine planting data and yield data as well as soil sample analysis information to create fertility recommendations or planting scrips as well as generate reports such as Yield by Variety by Soil Type by N applied across a single field or farms. Yield by hybrid is a starting place for a conversation with a grower but when using SOILMAP DM you can provide more in depth reports such as Yield by Hybrid, by Soil Type, by Test Value, by Seed Trait, by Population, by Rainfall and by N applied.

- Create seed & fertility recommendations
- Create management zones
- Used previous yield data to create recommendations
- Perform advanced analysis reports
- Field planting reports
- Field harvest reports
- Benchmark reports

SOILMAP Data Management is an essential tool for making informed decisions about your crops.
NEW COOPERATIVE PRECISION AG
PRODUCT GUIDE

SMS

SMS | Basic

PLAN, MANAGE, PROFIT
We understand that smart management decisions are a must in your precision farming operation. And, because you may have data from different systems and sources, we aim to support as many data types as possible.

SOLUTIONS FOR ALL SEASONS
• Field Stewardship
• Planting
• Application
• Harvest

SMS BASIC
SMS Basic helps you to take data from your field and turn it into smart management decisions, using information gathered from planting through harvest. In a grower/consultant relationship, SMS Basic works in conjunction with SMS Advanced providing even more sophisticated and powerful analysis.

SMS ADVANCED
SMS Advanced assists you in managing information across many acres, fields and operations. It's ideal for farmers looking for more sophisticated analysis tools and consultants who are working with multiple clients. It includes all of the features of SMS Basic, plus additional tools and features designed to make analysis across multiple fields and operations easy.

SMS MOBILE
SMS Mobile allows you to collect in-field information such as crop-scouting, soil sampling, boundaries and more. It offers flexibility to work with most desktop software solutions, as well as syncing seamlessly with SMS Basic and Advanced. Information gathered from SMS Mobile can provide the extra detail needed to make critical management decisions.

SMS | Advanced

AGFINITI

CONNECT YOUR WHOLE OPERATION
Seamlessly access your maps and reports from any mobile device without having to learn a dedicated farm management software. Your maps and reports are available with or without an internet connection, and without any complicated processes. Simply open the AgFiniti cloud based portal or the AgFiniti Mobile app and have access to your information! AgFiniti. Your data, when and where you need it.

INTELLISLOPE
Ag Leader’s Intellislope® simplifies the process of installing field drainage tile by using an RTK GPS receiver to install tile with a positive grade through the entire run. This eliminates the need for laser surveying equipment, which can be subject to weather conditions, and adjustments to keep the plow on grade in changing topography.

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515.955.2040
EASY TO USE, HANDS FREE, HARVEST TRACKING SYSTEM

The GT-560 is a precision weighing and management systems specifically designed for grain cart harvesting applications.

- Compare individual fields, soil types, seed hybrids, fertilizer types, tillage equipment and methods
- Know the exact weight of grain going into and coming out of on-farm storage
- Measure crop damage for insurance documentation
- Can be calibrated to “Elevator Scales” when need for maximum accuracy
- Weighing in the field vs. hauling to a platform scale

AUTOMATED SEED WEIGHING SYSTEM

SeedTracker measures seed used between farms and partnerships and allows you to manage multiple farms with downloadable information.

- Preset weights with pre-programmable auto shut-off
- Accurately know weight of remaining seed in bins
- “FIELD” button for viewing and changing the 6 character alphanumeric data field
- Accumulation of weights per field entry, scale always resets to the last preset entered weight for each hopper load
- Seed Tender Navigational keypad to review previous loads or edit field information

SPREADER SCALE SOLUTIONS

No need to remember to push the Start/Stop button when unloading your spreader. The NT-460 features AutoLog, and it is done automatically, no matter who is operating your spreader.

- Indicator displays actual tons/acre
- View and react to tons/acre reading by speeding up or slowing down
- View and change the 26 character field name and the 6 character ID
- Software to create custom reports
- Calculating the nutrient value of your manure is easy with scales on your spreader
- Nutrient Tracker software for simple record keeping
AGRONOMY DECISIONS

The next step in the NEW Cooperative in the Precision Ag program is developing site-specific nutrient recommendations based on sound agronomic principles. A professional agronomy staff, with practical experience, is key to gaining quality solutions. NEW Cooperative’s methods for managing fertility have been field-tested for over a decade, and each recommendation and decision is customized for your individual grower needs.

Field soil results and staff will assist with commodity and hybrid selection, along with correct fertilizer applications in the spring; followed by fertilizer and tillage practice recommendations through the summer and fall.

SERVICE & SUPPORT

The most important piece of any agronomic tool is also the most commonly overlooked by other providers. However, the NEW Cooperative Precision Ag team has made it their commitment to see that our customers receive the total precision package.

Along with professional soil sampling, data software, numerous hardware products, and accompanied by efficient applications options, the NEW Cooperative team offers Professional Consulting Services.

Our consultants can help guide your precision needs and grow your business and improve your work flow processes and accountability.

APPLICATION & OPERATION

Once all the data is collected, recommendations are made and hardware is purchased, it is the actual application that determines the outcome of NEW Cooperative tools and solutions.

You will achieve input efficiency through options in variable rate application of fertilizers and other nutrient inputs, along with controlled planting operations to ensure that time and money are not wasted.

Coupled with guidance and steering tools, you will see a positive change in the fuel consumption, machine hours, labor and input costs, and in the amount of skip and overlap, in comparison to your previous operations.
Sentera drone sensors deliver unrivaled performance and consistently beat competitors in price, quality and function. Our sensors produce high-quality, context-rich color and near-infrared image data to deliver unsurpassed NDVI data to growers. Our state-of-the-art design and deep base of field experience enable us to produce sensors that deliver meaningful and actionable insights to our customers.

THE SENTERA SINGLE (NDVI)
An elegantly engineered drone sensor, specifically designed to monitor crop health through NIR / NDVI data collection. The Sentera Single Sensor is unmatched in its performance due to its global shutter, tiny size and light weight. It's the world's best tool for farmers to collect NDVI data.

THE SENTERA DOUBLE 4K
In agriculture, the Sentera Double 4K allows for both NDVI and RGB imagery in a single flight. In inspection applications, the cameras may be configured with narrow and wide field-of-view lenses.

SPARK
SMART, RELIABLE, AND INCREDIBLY INTUITIVE
Meet Spark, a mini drone that features all of DJI’s signature technologies, allowing you to seize the moment whenever you feel inspired. With intelligent flight control options, a mechanical gimbal, and a camera with incredible image quality, Spark empowers you to push your creative boundaries.

- Quick Launch
- Simple Control
- Shake-Free Shots with Spark's 2-axis mechanical gimbal and UltraSmooth technology
- Powerful Lens
- Spark's camera features a 1/2.3 inch CMOS sensor, allowing you to shoot stabilized video at 1080p and stills at 12 MP
- 50 kph Powerful Propulsion
- 2km HD Wi-Fi Video Transmission
- 16 min Max Flight Time

MATRICE 200
BUILT TO ENDURE. ENGINEERED TO ADAPT.
High-performance motors paired with 17-inch propellers ensure stable flight in strong winds. The new dual-battery power system automatically heats batteries when flying in sub-zero temperatures, while an enclosed design ensures weather and water resistance, so you can fly in a wide range of environments.

- The M200 Series drones fold down in a snap and unfold just as quickly
- Gimbal mounting plates and aircraft arms stay mounted during transportation so that you’re ready to fly within minutes
- Size: 28” x 8.65” x 9.3”  8.4 lbs.
- IP43 Ingress Protection
- 7km Operating Range
- 38 min Max Flight Time
- 2 KG Max Payload Capacity
- *AVAILABLE ONLY THROUGH AUTHORIZED DJI DEALERS.
The DJI Drones come with manufacturer's camera as listed. NEW Cooperative Precision Ag offers Sentera Sensors for agricultural imagery. Contact one of our professionals to determine which systems are right for your applications. NEW Cooperative is an authorized DJI Drone Dealer.

**Mavic Professional**

**Portable Yet Powerful**
The Mavic Pro is your personal drone, ready to go with you everywhere. It’s compact size hides a high degree of complexity that makes it one of DJIs most sophisticated flying cameras ever.
- 27 minutes flight time
- 4.3 miles control range
- Speed of 65 km/h
- 3 axis gimbal
- 4K video resolution
- 12mp camera resolution
- Operating temperature 41° to 104° F

**Inspire 2**

**Power Beyond Imagination**
The Inspire 2 takes everything that is good about the Inspire 1 and improves it.
- 27.7 minutes flight time
- 4.3 miles control range
- Speed of 67 mph
- 360° rotating gimbal
- 5.4-4K video resolution
- Live View 1080p
- Sensory range of 30 miles
- Dual battery system for prolonged life
- Magnesium aluminum composite shell
- Detects obstacles up to 30 meters ahead
- Operating temperature -4° to 104° F

**Phantom 4 Advanced**

**Visionary Intelligence**
Revolutionary materials and enhanced agility with multiple flight modes.
- Precision hovering
- 3 axis stabilization gimbal
- 4k video
- 12.4 mp camera
- Live HD view
- Intelligent flight system
- Powerful mobile app
- Worry-free auto pilot
- Four pairs of propellers
- Max flight time 28 min.
- Front optical sensors
- 3.1 miles control range
- Operating temperature 32° to 104° F

**The Sentera Quad**
The Sentera Quad Sensor is the latest in precision agriculture drone cameras. With its ability to see three specific bands of light + capture full RGB photography, the Quad can measure key indicators of nitrogen + chlorophyll in crops. The intelligence provided by this sensor will revolutionize how growers plant and fertilize their crops.

**The EO / IR**
Proven in the harshest environments, the EO/IR drone camera payloads set a new standard in drone-delivered HD and thermal infrared video. Fully gimbal-stabilized, these drone cameras provide rock-steady live video from above, day or night.

**The Sentera Q**
The Sentera Q Sensor provides highly accurate aerial imagery and data in a single pass, making it the ideal sensor solution for surveying, mapping and surveillance operations.
Contact one of these Hardware Specialist for more information.

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**AUTHORIZED DEALER FOR THE FOLLOWING:**

- 360 Yield Center
- Ag Leader Technology
- Precision Planting
- CopperheadAg
- Dakota Hiens, Inc.
- DigiFarm
- DIGI*STAR
- HEADSIGHT INC.
- Martin-Till
- NORAC
- SOILMAP
- PRECISION AG TECHNOLOGIES
- BLUE DELTA
- TERRASTAR
- TOTALLY TUBULAR MANUFACTURING
- DJI