

JOHN DEERE



Koenig Equipment, Inc.
2021 Application Guide

KOENIG
KOENIG EQUIPMENT, INC.



Koenig Equipment sets the standard
in today's application industry by
providing top of the line equipment
and unmatched service.



Serving Customers Since 1904

Koenig Equipment strives to continue the company's legacy by providing industry leadership in new services and programs, by responding to expanding and changing market needs, and by building an involved dealership staff that is committed to these ideals.

The company provides its customers with the personalized attention that assures them unquestionable satisfaction with Koenig products and services.

Table of Contents

John Deere Self-Propelled Sprayers.....	4
Dry Spinner Spreaders	5
Booms	6
Premium Options	7
F4365 High-Capacity Nutrient Applicator	8
AB485 Air Boom, DN495 G5 Dry Spinner Spreader, LS475 Liquid System	9
Hagie High Clearance Sprayers	10
Nutrient Applicators.....	11
Compact Loaders	12-13
Precision Ag Technology	14-15
Koenig Precision Ag Services.....	16-17
Koenig Product Support Programs.....	18-23



John Deere Self-Propelled Sprayers

Model	Engine HP	Solution Capacity	Boom Width
R4023	173	600 gallons	Up to 90 ft
R4030	280	800 gallons	Up to 132 ft
R4038	310	1000 gallons	Up to 132 ft
R4044	325	1200 gallons	Up to 132 ft
R4045	346	1200 gallons	Up to 132 ft
R4060	346	1600 gallons	Up to 132 ft



Dry Spinner Spreaders

Increase productivity to three seasons with the ability to change from a liquid system to dry.



Model	Sprayer Compatibility	Product	Spread Capacity
DN456	R4060/R4044/R4045 R4038/R4030	Dry fertilizer or lime*	200 cubic ft
DN485	R4060/R4045	Dry Fertilizer	300 cubic ft

*Lime approved on R4045 and R4060.

Booms

Carbon Fiber Booms let you move quickly and efficiently while dealing with tighter application windows. Combine durability, productivity, and weight reduction with the all-new carbon fiber booms.

Available in 120- and 132-foot models, carbon fiber booms reduce weight as well as crop and soil damage by reducing passes, increasing productivity, and improving front-to-rear machine balance.

Models R4030/R4038/R4044/R4045/R4060

Carbon Fiber Boom

- Improve front to back weight distribution and reduce compaction with lighter carbon fiber.

Why it Matters to Customers

- Decrease soil compaction with lighter booms. With a:
 - 39% weight reduction with a 120ft. carbon fiber boom when compared to a 120 ft. steel boom.
 - 35% wing weight reduction with a 132 ft. carbon fiber boom when compared to a 120 ft. steel boom.

TOTAL WEIGHT CHART	R4030	R4038	R4044	R4045	R4060
Steel Boom 120 ft.	30,558 lb.	31,559 lb.	31,800 lb.	36,080 lb.	36,482 lb.
Carbon Fiber 120 ft.	27,963 lb.	29,330 lb.	30,594 lb.	34,048 lb.	35,276 lb.
Carbon Fiber 132 ft.	28,084 lb.	29,451 lb.	30,678 lb.	34,169 lb.	35,360 lb.



Premium Options

The Exactapply Nozzle Control System protects you against over-application, crop burn, and off-target dripping. Individual nozzle control gives you precise application management while delivering three times the pulsing frequency. Maintain your target rate and pressure over a wider range of speeds to decrease overlap and reduce costs.

Use the wireless key fob to check the spray pattern from the ground!



Boom air purge conversion

During product changeover, the boom air purge conversion forces air through the boom to help clean it out. Activated via the GreenStar™ display. *For R4030, R4038, R4045, and R4060 Sprayers.*



Direct Injection

Now you can accurately inject product into the carrier flow without having to mix products in the solution tank. No more rinsing the tank prior to switching products. The results are easier changeover between crops, faster loading times, and fewer wasted products. *For R4030, R4038 and R4045 Sprayers.*

QuickLub® (Lincoln Lube) automatic lubrication system

This kit automatically meters the right amount of grease to the chassis and boom. By purging contaminants, this kit delivers excellent lubrication of wear surfaces and a solid grease seal for extra protection. *For all 4 Series Sprayers.*



End cap aspirators

on the end of each spray section reduce nozzle turn-off time. Available in standard or high-flow plumbing options and stainless steel or poly options. This feature rids dead end space and allows air to be expelled.



Exclusive Load Command™ system

dramatically cuts loading time on the R4045 Sprayer. Load the 1,200-gallon tank as fast as three minutes. System automatically disengages when your sprayer tank is full. Reduces risk of any product exposure.

F4365 High-Capacity Nutrient Applicator

Why not enjoy the ride? The F4365 features the quiet CommandView™ cab and greatly improves ride quality over leading competitive machines. And you are sure to see a boost in productivity with so much extra comfort!

Get more done in less time. The higher-capacity 330 cu. ft. dry spinner spreader is capable of 60 to 90 ft spread widths. That's perfect for delivering higher volumes of N, P, K and lime to replenish the soil –helping you to cover more ground as application windows keep getting smaller.

Easy and efficient. Take a seat by the smartly configured CommandARM™ for fingertip control. Capture, manage and transfer data more efficiently with the 4600 CommandCenter™ display. And through the updated SpreadStar™ application, you can manage application rates of dry fertilizer, lime and micronutrients for up to four bins.

F4365	
ENGINE	
Make	John Deere PowerTech™ PSS 9.0L
Power bulge	400 hp (298 kW)
DRY SPINNER SPREADER	
Capacity, cubic feet	330 cu. ft.
Configurations	1-4 bins
Spread widths	60-90 ft.
Material	304 Stainless or 409 Painted Stainless
DRIVETRAIN	
Transmission	Infinitely Variable Transmission (IVT™)
Application speed	30 mph
Transport speed	46 mph
CHASSIS	
Suspension	Leaf spring with front dampers
OPTIONS	
Tires	Alliance or Michelin



AB485 Air Boom

The AB485 Air Boom provides 300 cubic feet of coverage, is made of painted stainless steel for durability, and is compatible with the F4365 High-Capacity Nutrient Applicator. Increase efficiency with the John Deere SpreadStar rate control system.

DN495 G5 Dry Spinner Spreader

Place your dry product precisely with the DN495 G5 Dry Spinner Spreader. With the side-to-side swatch width control, automated feed gate, and automated fan rate control you can easily apply when and where you need it.

LS475 Liquid System

Cover more acres between fills when you pair the LS475 system with your F4365 applicator. It has a 2,000 gallon tank, fills at up to 300 gallons per minute, offers a wide flow rate of 5 to 420 gallons per minute, and can apply at 80 gallons per acre at up to 25 mph. LS475 is also versatile and can apply pre-plant, high-volume N, or low-rate pesticides.



Hagie High Clearance Sprayers

Hagie High Clearance Sprayers	HP	Liquid Capacity	Boom Width
Dual Tank Series			
DTS10	225	1000 gal	Up to 90 ft
Single Tank Series†			
STS10	300	1000 gal	Up to 132 ft
STS12	300	1200 gal	Up to 132 ft
STS14	300*	1400 gal	Up to 132 ft
STS16	375*	1600 gal	Up to 132 ft
† Compatible with NTB Nitrogen Toolbar, HsTB High Speed Toolbar, DTB Detassling Toolbar			
* John Deere 9.0L PowerTech			



Nitrogen Toolbar (NTB)



FEATURES:

- 30' and 40' width
- 20" and 30" spacing
- Float design to contour the ground
- 4 standard gauge wheels for depth control and storage
- Standard coulter depth bands to control injection depth of individual row units
- 8 to 10 mph average application speed

Nutrient Applicators

2510H Nutrient Applicator

Apply NH₃ at high speeds.

Speed counts! The 2510H Nutrient Applicator lets you cover up to 59 acres an hour with our widest model.

By leveraging the least costly and most stable form of nitrogen fertilizer – anhydrous ammonia – the 2510H opens the door to more crop-available nitrogen and higher profit potential.

Extend your availability with a three-season machine that is reliable and efficient. The high-clearance toolbar lets you increase your application window by providing the ability to apply in heavy fall residue as well as up to 30-inch crop in spring.



2510L and 2530L Liquid Fertilizer Applicators

Now sidedress in perfect sync.

2510L and 2530L Applicators work perfectly with the John Deere solution system, providing the precise liquid fertilizer placement that you need!

Connect with John Deere Section Control, GreenStar™ Rate Controller, and GreenStar 3 2630 Display for the most advanced system control, field documentation, map-based prescriptions, and application precision available.

MODEL	2510L 30 FT.	2510L 40 FT.	2510L 60 FT.	2530L
SPECIFICATIONS				
Fold type	Vertical-fold	Vertical-fold	Side-fold	Side-fold
Base machine width	30 ft.	40 ft.	60 ft.	60 ft., 66 ft.
Available row spacing	30 in.	20, 22, 30, 36, 38, and 40 in.	20, 22, 30, and 40 in.	15, 20, 22, 30, 36, 38, and 40 in.
Tank size	1050, 1350, or 1800 gal.	1050, 1350, or 1800 gal.	1800 or 2400 gal.	1800 or 2600 gal.

Compact Loaders

JOHN DEERE SWEATS THE DETAILS *SO YOU DON'T HAVE TO.*

Easy access for service

Tilt up the hood for convenient ground-level access. The operator's station swings up and out of the way in less than five minutes for quick and simple drivetrain access.

FT4 power

The turbocharged 3.1-L EPA Final Tier 4 (FT4)/EU Stage IV and Interim Tier 4 (IT4)/Stage IIIB diesels meet rigid emission standards and pack plenty of power and torque reserve.

Convenient cooler cleanout

With a hinged hood and side shields that are removed easily, you can simplify core cleanout. Fan option can be set to automatically reverse to clear core-clogging buildup.

Quick changes

Make quick, no-mess changes with a spin-on, remote-mounted fuel filter. Extended service intervals reduce downtime for scheduled maintenance.

Simple fluid checks

Easily check and add fluids with conveniently-placed and color-coded dipstick handles and filler neck caps. Refills of diesel exhaust fluid (DEF) and fuel tanks are quick with such easy access. See-through reservoirs and sight gauges let you simply see when hydraulic oil and windshield washer fluid need replenished.



Compact Loaders

ULTIMATE UPTIME

DIMINISHES DOWNTIME

John Deere Ultimate Uptime, featuring John Deere WorkSight™, is a customizable support solution available exclusively from your Deere dealer. In addition to the base John Deere WorkSight features, Koenig works with you to build an uptime package that meets the specific needs of your machine, fleet, project, and business, including customized maintenance and repair agreements, onsite parts availability, extended warranties, fluid sampling, response-time guarantees, and more.

JOHN DEERE WORKSIGHT

PROVIDES THE INSIGHT YOU TRUST

John Deere WorkSight is an exclusive suite of telematics solutions that increases uptime while lowering operating costs. Receive real-time data and alerts with the included JDLink™ Ultimate machine monitoring system. And with remote diagnostics that enable Koenig to read codes and record performance data without a trip to the jobsite, you maximize productivity and minimize downtime.



Specifications	204L	244L	304L	324L	344L
Net Rated Power	61 hp	71 hp	65 hp	71 hp	103 hp
Operating Weight	11,806 lbs.	12,258 lbs.	12,778 lbs.	14,110 lbs.	19,533 lbs.
Bucket Capacity	1 to 1.4 cu. yd.	1 to 1.4 cu. yd.	1 to 2.1 cu. yd.	1 to 2.1 cu. yd.	2 to 2.6 cu. yd.
Cab Height	7 ft. 11 in.	9 ft. 0 in.	8 ft. 0 in.	9 ft. 1 in.	9 ft. 11 in.

Precision Ag Technology

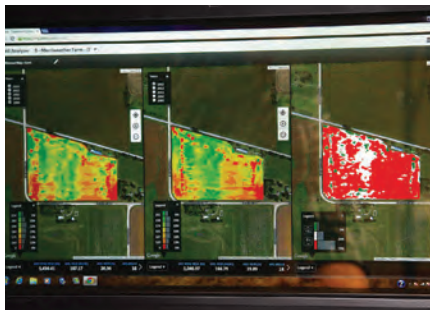
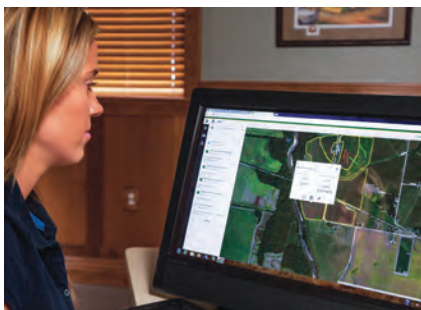
Fully-integrated technology options deliver the highest performance and are designed for peak efficiency and precision to help you cover more acres in your day.

John Deere Operations Center

Collecting data is important to your operation and is probably something you already do. But how can you use that data if it's difficult to access and interpret? John Deere Operations Center organizes your data in an online portal, giving you access from anywhere with internet at no cost to you.

Apps within Operations Center include:

- **Field Analyzer:** Compare data sets like average yield, total yield, average moisture, seeding variety and rate, and more to help you make informed decisions for your business.
- **Files Manager:** Transfer data to and from your display wirelessly with MyJohnDeere Operations Center or manually with a USB drive.
- **JDLink Dashboard:** Improve machine uptime and more easily assess data with intuitive tools to manage all of your equipment with active JDLink Ultimate, Express, or Locate subscriptions.
- **Machine Analyzer:** See your machines and their metrics in order to recognize the need for fleet expansion, notice machine and operator issues, and identify outliers with your machines.
- **Apply Plus:** Determine key adjustments, identify maintenance needs, and view operator tips.



JDLink™ Connect*

Manage your operation in real time and take it to the next level of productivity and efficiency without leaving the office. View location and activity of your machines, including fuel usage. Protect them with geofence and curfew alerts. And easily locate machines on the go with the JDLink mobile app.

Expert Alerts

Use JDLink to connect with Koenig Equipment to keep your machines running constantly at their best. The Service ADVISOR Remote tool saves you time and money by allowing Koenig to remotely identify any issues, diagnose the problem, and bring the right parts—all in a single visit. And Remote Display Access (only available with JDLink Connect) lets you, your farm manager, and Koenig—with your permission—remotely view an operator's screen. This allows for training, setup, or troubleshooting to happen without waiting for a technician to meet you in the field.

*Activation/subscription required. Some additional accessories and/or components may be required. JDLink requires a cellular connection to transfer information from machine to JDLink website. Consult a Koenig Equipment sales person for coverage availability.

Precision Ag Technology



AutoTrac™

AutoTrac Sprayer Guidance Systems help to keep even the most experienced operators from running over crops by eliminating the fatigue that comes with a long day of manual steering. Easily keep your 4 Series Sprayer on track with the two-part AutoTrac System.

AutoTrac Vision uses a front-mounted camera to see early-season corn, soybeans, and cotton as small as 6 inches high!

AutoTrac RowSense uses a paddle sensor mounted on the sprayer's front wheels to feel mature corn stalks in late season rows.*

With both systems you can spray faster and with less fatigue all season. Increase your sprayer speed and cover more acres every day, all while drastically reducing crop damage!

*Approved for 20 to 40-inch corn rows only.

+Delta T is an important indicator for determining acceptable spraying conditions. It indicates evaporative rate and droplet lifetime and is calculated by subtracting the wet bulb temperature from the dry bulb temperature.



John Deere In-Field Data Sharing

Improve planting, seeding, spraying, harvest, and nutrient application with John Deere Machine Sync. By sharing coverage map and guidance line information you can view up to ten machines on one display. This allows multiple machines to work simultaneously, increasing efficiency. Combine Machine Sync with Section Control to automatically turn sections off and on when multiple planters are in the same field to eliminate seed waste on headlands or overlapping passes.



John Deere Mobile Weather

No need to stop spraying and climb out of the cab to use a hand-held weather device. John Deere Mobile Weather uses a sensor to display and document real-time weather—including wind speed and direction, Delta T+, temperature, and relative humidity. Now you can make in-cab application decisions based on location specific data as well as set your own spraying parameters to receive notifications when the conditions move outside your presets.

AgLogic™

AgLogic combines GPS, cellular technology, and web-based software to help you geographically manage your fleet and deliver the right resources to the right place at the right time.

Connect to select agronomic work order systems to create a seamless flow of work orders into AgLogic. Then, schedule work to your equipment with the click of a mouse, wirelessly sending the work order information and associated prescription application files directly to the assigned vehicle.

Keep track of your fleet's progress by easily viewing the progress of the current jobs as well as how many jobs and acres are left for the day. And once the operator marks a job as complete, the work order is available in the web application for billing within minutes. With optional text or email notifications of job completion sent directly to growers, you don't have to worry about relaying the message.

Koenig Precision Ag Services

Let Koenig Equipment help you get your precision technology up and running as well as keep your operation running smoothly. With the following service options, you and your operators will be ready to utilize your technology in no time.

Premier Application Technology Optimization

This all-inclusive, one-year package offers multiple touch points throughout the year focusing on machine operation, data management, and machine efficiency. The Premier Package includes:

- One seat at the Koenig Equipment Application Precision Ag clinic
- Onsite pre-season Machine Operator and Operations Center training (see training packages for included instruction)
- In-field start up visit
- Post-season technology follow-up and review
- A full year of priority remote support

Application Technology Remote Support

This package includes one year of remote support for all John Deere and Hagie Application equipment technology at a location. The Application Technology Remote Package includes:

- Utilization of Remote Display Access (if applicable)
- Phone/text support
- Service Advisor Remote

AgLogic Setup and Training

This package is tailored for a successful implementation of the AgLogic logistics software program at an Ag Service Provider location and includes the following items:

- Install and review AgLogic App on supplied tablets
- Review how to setup and send work orders to machines in the field with office staff
- Review how to print and view reports from completed work
- Review with operators the work order process, how to add notes, sign-off, etc.
- Install and setup AgLogic basic/tender app if applicable
- Setup of related apps on mobile devices
- JDLINK machine utilization capabilities
- MYJD navigation and tools



Koenig Precision Ag Services



Machine Operator Training and Support

This package offers an onsite in-depth training session and a full year of remote and in-field support focused on in-cab operations and machine controls as equipped. The Machine Operator Package includes:

- One seat at the Koenig Equipment Application Precision Ag clinic
- Onsite pre-season training session (see included instruction below)
- In-field start-up visit
- A full year of priority remote support

Machine Operator Training includes instruction on the following:

- GreenStar display operation and documentation
- ExactApply and direct injection setup
- Loading Rx files onto display
- AutoTrac Vision/RowSense
- BoomTrac Pro setup and operation
- Mobile Weather setup and operation
- Wireless data transfer
- Connect Mobile setup



Operations Center Training and Support

This package offers an onsite in-depth training session and a full year of remote support for complete utilization of the John Deere Operations Center and associated tools. The Operations Center Package includes:

- One seat at the Koenig Equipment Application Precision Ag clinic
- Onsite pre-season training session (see included instruction below)
- A full year of priority remote support

Operations Center Training includes instruction on the following:

- Machine location/tracking information
- Loading and sending Rx files wirelessly
- Viewing completed field maps and reports
- Utilizing Remote Display Access
- Partnering and sharing information with growers
- Setup of related apps on mobile devices
- JDLink machine utilization capabilities
- MYJD navigation and tools

Koenig Product Support Programs

At Koenig Equipment, we know that you not only take pride in your equipment but have also made an investment in your business. That's why we offer several programs that provide the support, parts, and service that you need to enhance and maintain your equipment. Get the other half of a great product with Koenig Product Support!

KOENIG REWARDS

Get connected to best buys, program discounts, and clearance offers you can't get anywhere else. And there's no cost to join! Koenig Rewards Programs include:

Battery Rewards

Get a FREE Product or Merchandise Credit after qualifying purchases of any 6 or 12-volt equipment, car, truck, or ATV batteries. Take your Rewards as they come, or let your total build up to the top levels.

Plus, save 10% on all battery-related products during March and September, including NoCo products, chargers, cables, cable ends & cleaners, and more.



Inspection Rewards

Our factory-trained technicians will make sure your machine is reliable, properly adjusted and ready to go to work. We inspect and service all makes and models of agricultural equipment. YOU control your repair costs! Recommended repairs will be quoted with a 10% discount on parts and labor and completed upon your approval. There is no limit per year.

(All units must be owned by the same member.)



KOENIG REWARDS BATTERY PROGRAM

BATTERY PURCHASE	FREE ITEM	SHOWROOM CASH
After 2 Batteries	Pocket Battery Tester <i>(does not reset Reward Total)</i>	
After 5 Batteries	NoCo G1100 1.1 amp smart charger	\$25
After 10 Batteries	NoCo GENM1 4 amp on-board smart charger	\$50
After 15 Batteries	NoCo GENM2 dual battery on-board charger	\$75
After 20 Batteries	NoCo GB40 1000 amp UltraSafe jump starter	\$100
After 25 Batteries	NoCo GB70 2000 amp jump starter	\$150

KOENIG REWARDS AGRICULTURE, COMMERCIAL & GOVERNMENTAL INSPECTION DISCOUNT STRUCTURE

INSPECTION #	CREDIT
1	10%
2	20%
3	30%
4	40%
5	50%
6	60%
7	70%
8	80%
9	90%
10	100%
Additional Calendar Year Inspections 100% Credit	



Koenig Product Support Programs



KoenigCare Off-Season Inspections

Equipment increases in complexity every year, making it more difficult to get the best performance on your own.

Don't let unexpected breakdowns slow you down when you need your machine the most. The factory-trained technicians on our Product Support team will make sure your machine is reliable, properly adjusted, and ready to go to work when you are. That's not a last-minute job, so contact us now to plan your year. And don't forget to sign up for Koenig Rewards membership to maximize your savings! You paid for the machine, get the most out of it!

Oil and Filter Sale

Koenig Equipment gives you the opportunity every February and August to purchase the best oil and filters at the best prices. Advantages include:

- Savings - Get the best prices of the year on oil and filters.
- Convenience - You'll receive a fresh supply right before you need them, tying up less cash for a shorter amount of time.
- 15% off filters (oil, hydraulic, fuel, cab)
- 10% off oil (quarts, gallons, and 5 gal. containers, drums).



Koenig Product Support Programs

Bulk Oil Program

We are pleased to offer Premium John Deere oils for bulk delivery. Consider the advantages:

- Significant savings
- Ultimate convenience
- Environmentally friendly
- Simple replenishment
- Enhanced cleanliness

200-gallon combined minimum to qualify for savings. Can be any combination of engine and hydraulic oil. Ask for details.

Bulk Oil is priced at everyday low prices and is not subject to other program discounts or pre-pay.



Parts OnSite™

Why stop what you are doing to run for common items when we can stock them at your facility? Let our Product Support Representative work with you to establish the inventory needed, such as filters, belts, and shop supplies, and we'll keep them stocked for you. You don't pay for them until you use them, and we'll stop by to replenish them monthly. There is no charge to participate or for delivery.

Minimum annual purchases required, cabinets are available at cost if desired. Contact your branch parts team for details.



Koenig Product Support Programs



Early Order Program

Our Early Order Program is your one-stop-annual opportunity to buy in pre-season volume quantities at maximum savings.

Benefit from:

- Volume discounts
- Order consolidation
- Additional savings
- Pre-season planning

Parts can be added to the order all year long, until the order is finalized in mid-September. Parts will arrive in early December.

Cash only. Receive a 15% discount on Deere certified parts. Receive a 10% discount on all other parts. Payment is due when parts are received.



Diesel Exhaust Fluid Totes

Pick up your 275-gallon bulk DEF tote at Koenig Equipment or arrange for delivery with the parts department.

- Exchange your used tote for a full one after each use.
- One-time core charge for the tote which is refunded if you leave the program and return the tote
- Savings of over 65% compared to 2.5-gallon jugs and over 50% compared to 55-gallon drums

DEF Totes are priced at everyday low prices and are not subject to other program discounts or pre-pay.



Koenig Product Support Programs



Stock Order Discount

With just a few days of planning, we can help your parts dollar go further with our Stock Order Discount. Simply place a minimum order with a 4 – 7 day anticipated delivery date, and we'll pass our order discounts on to you along with free freight. This program is available every day of the year.

Variable cash savings of:

- \$1000 - \$1499 5%
- \$1500 - \$1999 10%
- \$2000 + 10% Plus Free Delivery



Ag Performance Edge

Protect your equipment investment, maximize its performance, and maintain its resell value with a Performance Edge Maintenance Package from Koenig Equipment. Performance Edge includes:

- On-site factory recommended service and off-season inspections
- Collection and analysis of engine oil, coolant, and hydraulic fluid
- Active JDLINK
- 12-month parts, labor, and travel warranty on included maintenance
- Choice of 1, 2, 3, or 4-year plans
- Unused dollars are transferable to the purchase of a new plan should you trade in your equipment before the plan expires

Koenig MyDealer

Access your account information anytime from any device. With MyDealer you can manage your equipment, check account balances or previous invoices, edit or accept parts and service quotes, and buy parts online.



Koenig Equipment

Contact Koenig Equipment for all of your application needs.

Indiana Application Equipment Sales
317.364.0966

Ohio Application Equipment Sales
937.407.2531

Indiana Service
317.315.0977 (or) 937.635.7011

Ohio Service
937.407.9804

Indiana Precision Ag Support
317.448.7485

Ohio Precision Ag Support
937.688.0038



www.koenigequipment.com

