

# KINZE®

## NO-TILL! MULCH-TILL! CONVENTIONAL!

Match KINZE® row unit attachments to your system to create the ideal growing environment for optimum emergence in a wide range of cropping practices and residue management systems.



**Row Unit Mounted No Till Coulters** — available on standard and push row units — feature welded fork design with four blade depth settings in  $\frac{1}{8}$ " increments to compensate for blade wear. Sealed double-row ball bearings provide long life. The KINZE® Row Unit Mounted Coulters attachment also includes two extra springs for added down force.



**Coulters Mounted Residue Wheel Attachments** have free-floating 12" diameter wheels with 12 curved tines in interlocked or staggered mountings; eleven depth settings in  $\frac{1}{4}$ " increments.

# KINZE®

## THE REAL VALUE OF THE KINZE® PLANTER SHOWS BY THE WAY IT PERFORMS IN THE FIELD.

### PRECISELY...

with accurate seed placement, consistent depth control and positive seed-to-soil contact for maximum seedling emergence in all types of conditions.

### SIMPLY...

giving you dependable, measurable, superior results year after year.

### CREATIVELY...

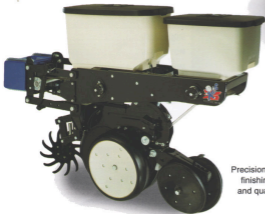
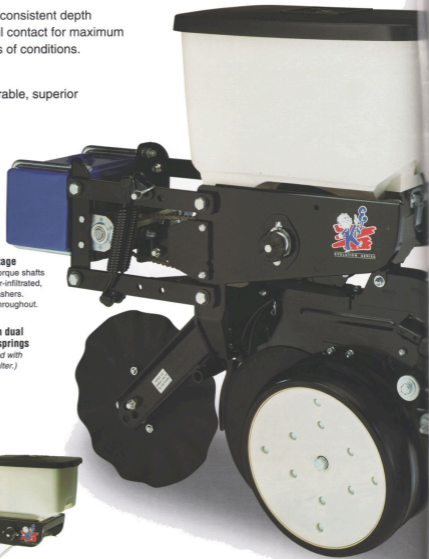
with quick, easy adjustments and innovative, common-sense tillage attachments.

#### **Strong, durable parallel linkage**

Check it out! Solid, high-carbon steel torque shafts with welded triangular gussets. Copper-infiltrated, hardened bushings. Hardened washers. Automotive-quality plated hardware throughout.

#### **Quick-adjustable, 4-position dual or optional quad down force springs**

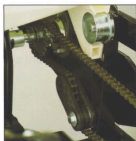
*(Two additional springs included with Row Unit Mounted No Till Coulters.)*



#### **The industry's first 100% robotically welded row units**

Precision tooling and cutting-edge production technologies. Plus, tough durable powder coat finishing on both row units and planter frames. It all adds up to high-volume consistency and quality control in every KINZE® "Evolution Series" Row Unit and 3000 Series Planter.

# EVOLUTION SERIES ROW UNITS



## Long-life, spring-loaded tighteners

on seed and granular chemical drive systems "capture" the drive chains securely in position to reduce the chance of throwing a chain. The one-piece plastic idlers are reversible.

## Closing wheel arm assembly

with 5-position, quick-adjustable down pressure system (0-145 lbs). Adjustable wheel spacings and mountings let you position "V" closing wheels offset or opposite each other.

Select (a) rubber "V" or (b) cast iron "V" closing wheels (1" x 12") for conventional, mulch-till or no-till planting. The two-piece, high-strength, nylon-reinforced plastic closing wheels feature oversized double-row ball bearings. Solid cast iron is recommended for tougher no-till applications.

Closing wheel arm eccentrics, with hex step bushings, allow you to perfectly align the closing wheel to the seed trench and eliminate wear on the closing wheel arm.

Or, choose (c) the 6" x 12" single press wheel with twin 8" covering discs\* and wrench-adjustable down force spring. Ideal for cotton or other shallow planted crops in soils that tend to crust.

\*Not compatible with Interplan® Push Row Unit



## GRANULAR CHEMICAL ATTACHMENTS

• Translucent, precision-molded granular chemical hopper option (1.4 cu ft) with bolt-on hopper panel extension and single meter. Smooth, sloped finish designed for total cleanout.



Chemical banding includes standard, slope-compensating T-banding or straight-drop in-furrow (not pictured); 14" rear banders are optional.



## SEED HOPPER DESIGN

• 18% more seed capacity (1.9 bu). Precision-molded. Color-matched. Translucent. Stronger! Provides you with unmatched seed flow and cleanout, plus you can "read" your seed levels.

• Molded rim on the edge of the seed and chemical hoppers creates a tight seal and strengthens the rim. The wide precision-fit hopper base features oversized, molded hooks upfront — plus front and rear handles — to make it even easier to remove.

• Shorter row unit hopper support gives you more room and access to work around narrow-spaced units.

• Simple thumbscrew attachment for the meters.

• Self-aligning, twist-release throwout clutches, with large-diameter ball bearings, let you remove the hoppers in seconds ... or shut off individual rows.

## LOAD-EQUALIZING GAUGE WHEELS

Consistent seed placement in heavy residue or rugged planting conditions.

• Precision-machined, replaceable pivot spindle and gauge wheel arms with bushings and grease seals are easy to service.

• Molded wheel covers protect against rock damage and prevent "rooster-tailing" effect common in light soils.

• Cast adjustment "rack," with spring-loaded, zinc-plated handle, lets you conveniently fine-tune depth from 1/2" to 3 1/2".

• Opener blades (3.5 mm x 15") are 20% heavier for longer life.

• Totally redesigned lower end includes a precision cast mounting for the opener blades and the hardened bolt-on seed tube guard/inner scraper.



## REINFORCED ROW UNIT SHANK ASSEMBLY

Compare! A triangular reinforcement plate, pioneered by KINZE®, is welded in the shank nose for greater side load strength.



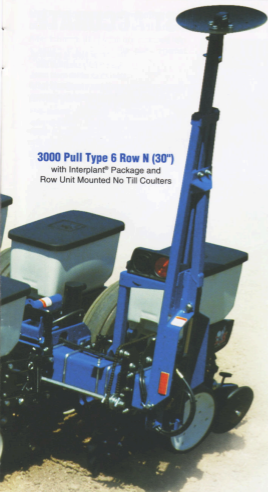
**The KINZE®  
EVOLUTION SERIES  
Row Unit is totally  
redesigned for  
longer life, simple  
adjustments and  
smooth, dependable  
operation.**

# ROW UNIT ATTACHMENTS

## ADDITIONAL ROW UNIT MOUNTED ATTACHMENTS

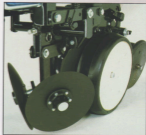
### 3000 Pull Type 6 Row N (30")

with Interplant® Package and Row Unit Mounted No Till Coulters



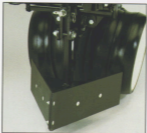
#### RESIDUE WHEEL ATTACHMENTS

Ideal for mulch-till. 12" diameter wheel; 12 curved tines. 3-position mounting varies aggressiveness. Spring-loaded parallel linkage. Cast iron hub.



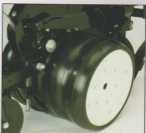
#### ROW UNIT MOUNTED DISC FURROWERS

Notched or solid 12" diameter blades clear clods and residue for a residue-free seed bed. Cast iron hubs; sealed bearings.



#### BED LEVELERS

"V" blades (6" x 17") remove a top layer of dry soil or clods to create a level 16" planting surface in light, well-tilled conditions. (For 36" or wider rows only.)



#### DUAL ROW UNIT GAUGE WHEELS

Designed for highly tilled soils where additional flotation is required. Includes all mounting hardware. (For 36" or wider rows only.)

## FRAME MOUNTED NO TILL COULTERS

Planting in rocky ground or severe no-till conditions? KINZE® Frame Mounted Coulters are designed to apply needed spring down pressure on the coulters for maximum penetration while exerting less shock load on the row unit.

Choose 1" bubbled, 3/4"-13 fluted or 1"-8 fluted blades. The Frame Mounted No Till Coulters is clamped to the existing row unit support plate which, in turn, mounts to the toolbar.

Coulters blades are mounted on cast iron hubs with sealed bearings. Blade depth settings are adjustable to compensate for blade wear or when deeper penetration is desired.

Two 2 3/8" adjustable coil springs allow you to apply up to 500 lbs of down force.

Also available, free-floating residue wheel attachment, complete with weed guard and eleven 1/4" incremental depth settings.



#### 16" Diameter Coulters Blades

Top-quality. Select 1" bubbled, 3/4"-13 fluted or 1"-8 fluted designs.