



Black Eagle NT16

Strip Till System

Industry need: Strip till equipment that has the highest amount of operational up time and operational consistency across varying soil and climactic conditions while requiring the least amount of horsepower. All of this is dependent upon machine quality and functionality.

Design & Manufacturing

- ▶ Design developers
 - On farm production experience
 - Fabrication Expertise
 - Australia and the United States
- ▶ Engineering support from ag based firm
 - Years of combined experience across equipment, hydraulic and materials engineering and design
- ▶ Manufacturing partner JCC, Inc.
 - Specializing in manufacturing processes
 - Support personnel who understand manufacturing efficiency
- ▶ **A constant feedback loop of improvement and innovation**

The Black Eagle NT16 is our new 16 row, 30 inch strip till system featuring our 1st generation strip till row unit attached to our new 40 foot, Narrow Transport, pull type tool bar. With a transport width of just 11 feet 7 inches, the Black Eagle NT16 has one of the narrowest transport widths in the industry. In the field, the adjustable Hydraulic Wing Down Pressure provides consistent working depths across the width of the tool bar while still allowing for the full range of motion of the wings. When turning around in the field, the outside wing sections Gull to allow for extra clearance. When folded, our Automatic Air Assist Locking System keeps the wings in place and your safety top of mind. The Black Eagle NT16 easily accepts tow-behind fertilizer carts.

The Black Eagle Row Unit features a heavy duty Parallel Linkage system to follow the ground. Hydraulic Trip Shanks with adjustable working depths from 4 to 10 inches. Adjustable Dry and Liquid Tubes come standard. Front mounted Row Cleaners with air cylinders adjusted with our in-cab controls. Containment Arm System utilizing air cylinders to ensure consistent ground contact. The patent pending Eagle Claw adjustable closing wheels follow to crumble clods and eliminate air pockets inside the berm.



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Black Eagle NT16 Row Unit

(1) Row Unit

- ▶ 6 inches of travel
- ▶ ~750 lbs
- ▶ 57" to rear of unit from back side of frame
- ▶ Same HD bearing used throughout
- ▶ Same bushing used throughout
- ▶ 14" parallel linkages
- ▶ 600 lbs max. down pressure spring system

(2) Row Cleaners

- ▶ 22" Shark Tooth blades
- ▶ Range of travel
 - 2 inches down
 - 4 inches up
- ▶ Air Cylinder controlled
 - Capable of Down Pressure, Lift Pressure or Suspension Settings
 - In cab air system control

(3) Center Cutter

- ▶ In line with frame
- ▶ Center of row
- ▶ 22" Saber Tooth Blade
- ▶ 4" to 8" operating depths

(4) Side Scouring Wheels

- ▶ 4" behind cutter wheel center
- ▶ 16" notched blade
- ▶ 2" operating depth
- ▶ Custom, 12" depth band wheel attached

(5) Shank

- ▶ 26" behind cutter wheel center
- ▶ 4" to 10" operating depths
- ▶ Full Hydraulic Trip Protection
- ▶ 6" out of ground break away

(6) Containment Blades

- ▶ 0", 2", and 4" operating distances behind shank
- ▶ 8" to 10" apart
- ▶ 0, 4.5, and 9-degree operating angles
- ▶ 20" pivot arm
- ▶ Air Cylinder Float Control Option

(7) Eagle Claws Finishing System

- ▶ 24" behind shank
- ▶ 10 degree angled in
- ▶ Adjustable down pressure
- ▶ 16.5" Eagle Claw Wheels
- ▶ Outside to outside of wheels at ground are 11 inches apart



16 Row Pull Type Specs As Shown:

Number of Rows	16
Row Spacing	30 inches
Length of Machine	23.75 feet
Tool Bar Full Width	41 feet
Folded Width for Transport	11 feet 7 Inches
Maximum Transport Height	14 feet 8 inches
Shank Clearance in High Transport	16.5 inches (Shank in lowest operating position)
Machine Weight with no Cart	24,625 pounds
Weight on Tongue	9,202 pounds
Weight on Rear Axle	15,630 pounds
Tire Weight Rating X 2	10,650 pounds X 2 = 21,300 pounds *
*Compatible with up to 9 ton Fertilizer Cart For Fertilizer Tanks over 9 ton, Dual Wheels are required	

Gull Wings:

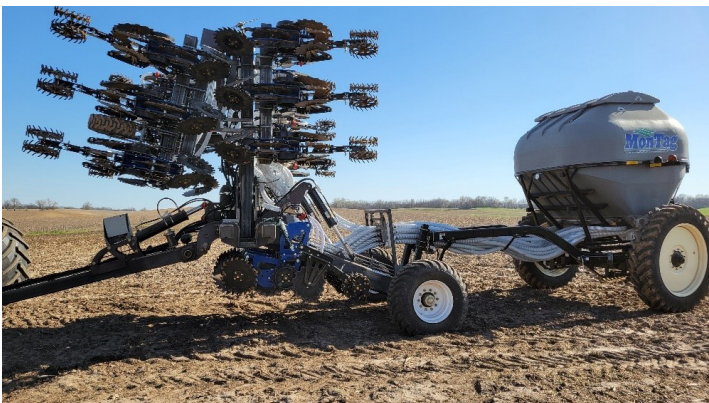
- ▶ Outside wings lift(Gull) when unit out of the ground in field mode
- ▶ 15 degrees of wing travel
 - 7 degrees up
 - 8 degrees down
- ▶ Hydraulic down pressure on wings

Wing Fold Air Lock System:

- ▶ Air activated locking arms engage when wings are folded for transport
- ▶ Locks disengage with air assist prior to unfolding

Tight Turning Radius when folded

40 Foot Tool Bar Specs





Mounted Tool Bars

- Robust, heavy duty construction
 - 7 X 7 tubing
- 6 and 8 row rigid models
- Gauge wheels

Mounted Tool Bar Specs:

▸ 6 row	30 inch row spacing	15 feet wide	6,500 pounds
▸ 8 row	30 inch row spacing	20 feet wide	8,500 pounds

Standard shank row unit

- Efficient design
- Row cleaner that can be adjusted for aggressiveness
 - Effective in heavy residue situations such as stripper wheat
- Robust parallel linkages
 - Insure consistent depth of shank operation
- Prescription Tillage Technology (PTT) Center cutter
 - Unique design can extend shank life
 - Can reduce horsepower requirements
- Hydraulic trip protected shank
 - Arc of movement clears large obstacles
 - Automatic reset
 - Protects the machine
- Patent Pending Eagle claw adjustable closing/finishing system
 - Easily adjustable down pressure
 - Designed with multiple configuration options
 - Configure for your ideal finished strip

Row Cleaners only remove residue and not soil when operated correctly and are not fixed in one position as are most row cleaners. Air cyclinders on row cleaners can apply negative or positive pressure and by supplying air to both sides of the air chamber, we effectively get a dampening effect to maintain consistent residue engagement.

The Depth Bands utilize a sharpened notch blade that ensures rotation in forward motion and act as a side score for added tillage to the outside edge of the strip.

The unique feature of our Patent Pending Reconfigurable Ground Driven Soil Conditioning Wheel (Eagle Claws) allows the producer to fine tune the way the strip is finished/conditioned.