



Miller
Since 1899

MILLER INJECTION TOOLBAR

FEED YOUR CORN, WHERE IT NEEDS IT, WHEN IT NEEDS IT MOST

The Miller Injection Toolbar allows for precision application of liquid fertilizer between the corn rows, into the root zones, exactly where the corn needs it most.

A Miller Injection Toolbar allows you to fuel the growth of corn, applying liquid N just before the maximum uptake occurs. The majority of uptake occurs between the 6-8 leaf stage and tasseling. Nitrogen should be applied in 3-4 to 6-8 leaf stage to ensure it is readily available during the critical growth period to follow.



TIMING IS CRITICAL

Feed the critical growth stage. To nurture the crop along, an injection of fertilizer from emergence to 6-8 leaf stage will assist the starter fertilizer in maximizing the ear girth. In fact, the majority of N uptake occurs between V8 and the tassel stage. Applying all of the required fertilizer pre-plant or at planting increases the risk of loss through leaching, leaving the plant in a yield-robbing state of N deficiency. Leaching is also an environmental concern, particularly for lakes, rivers, and streams, which you can minimize through properly timed injection applications.



NO BURNING

Unlike broadcasting liquid or dry fertilizer, or applying NH₃, soil incorporation of liquid N with a coulters into the soil will prevent burning of the crop by eliminating leaf contact, and potential vapor damage of leaves and roots from NH₃.

MINIMIZE LOSS OF FERTILIZER

Ground applied liquid fertilizer is at risk of loss due to volatilization. Without a sufficient rainfall, 30% may be lost within 2 weeks of the application. Nutrients may also be tied up in surface residue.

NO MORE GAMBLING - MANAGE INPUT COSTS

Adjust and increase application rates if conditions are favorable. Or, in poor growing conditions, forego the cost of needlessly applying expensive fertilizer.



FUEL THE GROWTH

HIGH LIFT CLEARANCE

Helps the coulters clear crops and obstacles at the headlands, minimizing the potential for damaging corn stalks.



QUICK-ATTACH VERSATILITY

The Miller Injection Toolbar is available to mount on NITRO 5000 series sprayers, as well as earlier model NITRO 2000, 3000, and 4000 Series. The Miller Quick-Attach kit may be ordered as a factory installed option, on a new sprayer, or is available for field installation.

The Quick-Attach system allow you to separate the boom or attachments from the sprayer lift arms quickly and easily. The Quick-Attach system includes boom quick couple jaws, electrical, air, liquid, and hydraulic connections along with parking stands for the boom.

- A specific 5000, 4000, or 2000/3000 Series Attaching Bracket kit is required.
- A heavy duty 4" lift cylinder kit is required for toolbars larger than 17 feet.
- A required Float Circuit option allows you to adjust the amount of down pressure that the tool bar can apply.



FLEXIBLE TO THE MAX

The Nitro Series sprayers are available with the Miller Quick-Attach option, allowing the spray boom to be quickly replaced with a number of other productivity-enhancing attachments including the Miller Injection Toolbar, a grain swather, and an Oxbo corn detassler.



QUICK-ATTACH

Install the optional quick-attach kit to the NITRO, which provides disconnect points for the boom and all hydraulic and electrical functions to allow for fast and simple attaching and detaching of boom.

CLEAR THE CORN AT HEADLANDS



FOLDED FOR TRANSPORT



THREE TOOLBAR SIZES AVAILABLE

17 Foot	26 Foot	36 Foot
7 Standards at 30 in. spacing. Solid Bar. Four Guage Wheels. 204 in. (5.2m) length.	11 Standards at 30 in. spacing. Hydraulic Fold. Four Guage Wheels. 312 in. (7.9m) length.	15 Standards at 30 in. spacing. Hydraulic Fold. Four Guage Wheels. 432 in. (11m) length.

TOOLBAR

- 7 x 7 Inch Rigid Toolbar
- 2 - 7.50 x 14 gauge wheels on center toolbar
- 2 - 7.50 x 20 gauge wheels on wings
- 66 inch (1.7m) crop clearance
- Parking stand on 26 and 36 ft toolbars

PRODUCT CIRCUIT

- 2 in. cam-loc connection to Nitro chassis
- Two section electric ball valves, 3/4 in. hoses
- 4 in. Glycol-filled gauge
- Diaphragm check (TeeJet nozzle body) on every standard 3/8 in. feed lines

COULTERS

- 1-1/2" Hi-tensile steer shaft and ductile castings
- 20 in. Clymer blades, 1/2 in. fluted, 1200 lb downpressure spring
- Spring reset break-away nozzle bracket
- Stainless steel industrial solid stream tip. 20 gpa /10 mph / 20 psi (0015)
- Poly depth bands help prevent soil buildup

LIGHTING AND SAFETY

- 2 Halogen field lights
- 2 Amber road flashers
- Red, orange, and amber reflectors
- Hydraulic front fold on 26 and 36 ft. models
- Transport width 18 feet (5.5m)
- Optional foamer uses standard Nitro mix chamers and bells

Miller products are subject to continuous improvement, so changes are possible without notice. All descriptions and specifications in this brochure should be considered as approximate and may include optional equipment and attachments that are not part of the standard specifications. Please refer to your nearest Miller dealer for additional specifications as required. Copyright 2012.



Miller-St. Nazianz, Inc.
511 E. Main St., St. Nazianz, WI 54232-0127
800-247-5557 / www.millerstn.com