NTB

HAGIE UpFront

Hagie **NTB** Application System

12+ mph = *58+ acres/hr

*calculated with NTB16

Don't try that with a tractor and pull type bar.

NITROGEN = ↑ YIELD = PROFIT

Less Nitrogen & Still Get MORE BUSHELS!

Area: 78.6 ac
Avg Yield: 136.5 Bu/Ac
Avg Moisture: 17.6%

A Single Application

B Split Application

157.5 - 174.1 Bu/Ac 0.0 acres
153.2 - 157.5 Bu/Ac 0.0 acres
150.6 - 153.2 Bu/Ac 0.0 acres
147.1 - 150.6 Bu/Ac 0.0 acres
143.6 - 147.1 Bu/Ac 0.0 acres
139.3 - 143.6 Bu/Ac 0.0 acres
133.2 - 139.3 Bu/Ac 0.0 acres
121.9 - 133.2 Bu/Ac 0.0 acres
100.1 - 121.9 Bu/Ac 0.0 acres
0.00 - 100.1 Bu/Ac 0.0 acres

Single Nitrogen Spring Application

180lb. N = 131.2 bu.

Split Nitrogen Spring/Summer Application

100lb. N
+50lb. N = 140.4 bu.
150

plus a savings of 30lbs of N per acre!

Specs:
Model NTB12
11 Coulters
27.5ft Bar Width
2 Folds
Model NTB16
15 Coulters
35 ft Bar Width
4 Folds
Toolbar
72" under frame clearance
Heavy steel 7"x7"x1/4" wall
Coulter
20" smooth blade
Single arm design
Spring applied down pressure
Heavy duty spring injection
Depth gauge wheel
Application Range*:
NTB12
45#/acre @ 6mph - Low
180#/acre @ 18mph - High
NTB16
33#/acre @ 6mph - Low
132#/acre @ 18mph - High
**Rates based on 28% UAN*

HAGIE UpFront

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NTB Attachment

Nitrogen Tool Bar:

As input costs continue to go up, you need to find a way to get the most out of every dollar. That is exactly what the NTB is designed to do. Its high clearance design allows side dress applications to be made exactly when the crop is needing it, limiting the loss and reducing the amount you need to apply. The design of the NTB allows the bar to float and contour the ground, making sure the nitrogen goes exactly where you want it to.

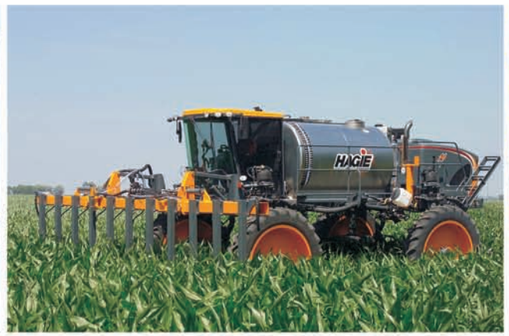
NTB

NTB NITROGEN TOOL BAR

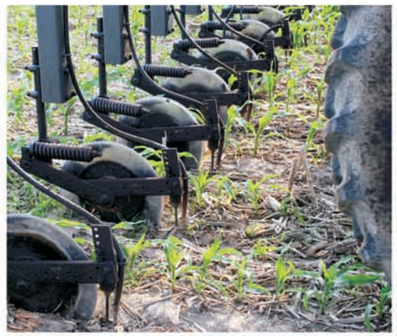
LOWER IMPUTS-HIGHER YEILDS

Easy use quick-tach

12-Row NTB in use



Sub-surface injection



Fold sequence

Side Dressing and Mother Nature

The problem with side-dressing is the potential for the weather to delay the application until the crops' height is too high for a traditional application with a tractor and anhydrous or UAN toolbar. A Hagie STS sprayer and NTB both share a 72" under frame clearance, allowing later applications to be made.

Available for all STS sprayers

NTB GIVES YOU

- Wider application window
- Change over in minutes
- Apply when it's needed
- Faster application speed
- Ground contouring design
- 72" clearance
- 12 foot transport width
- Narrow wheel package

NITROGEN = ↑ YIELD = PROFIT

Studies have shown the advantages of split application

	Fall Applied Anhydrous Ammonia NH3	Split Applied Nitrogen
Amount of Nitrogen Applied	**150# N per acre**	**50# N per acre pre-plant (UAN) 100# N per acre Side-dress or Late-Season (UAN)**
Cost per # of N	**$0.307 per pound of N (Nh3)**	**$0.39 per pound of N (UAN)**
Total cost of N Per Acre	**$46.05 per acre**	**$58.50 per acre**
Estimated winter loss	**50%**	**None**
Resulting N Available	**75#**	**150#**
Estimated yield	**130 Bu per acre yield** *40 yr avg. in Iowa Corn Soybean Rotation with 75# N*	**155 Bu per acre yeild** *40 yr avg. in Iowa Corn Soybean Rotation with 150# N*
Income based on $4.20 corn	**$546.00 per acre**	**$651.00 per acre**
NET per Acre	**$499.95**	**$592.50**
BOTTOM LINE		**$92.55 per acre benefit with split application**

What is the problem?

Fall applied nitrogen can be lost to leaching of nitrates out of the root zone before the corn has a chance to use it. Spring applied anhydrous helps reduces the amount of N loss, but split applications result in the best nitrogen utilization.

How does it reduce it?

Maximum nitrogen uptake occurs during periods of maximum growth. Almost 40 percent of the total nitrogen is taken up by the corn plant once it reaches silking. During this time the risk of N loss is low.

NITROGEN UTILIZATION in CORN GROWTH