

CASE *III*

NPX2800 FERTILIZER APPLICATORS



THE CASE IH FERTILIZER PLACEMENT ADVANTAGE

THE PERFECT TIMING OF SIDEDRESS FERTILIZATION

The primary objective of sidedressing is to give your plants nitrogen when they really need it. In the early stages of plant growth, only small amounts of nitrogen may be required, and by the time your plants are ready for larger doses, the nitrogen in the soil may be lost. Sidedressing injects liquid fertilizer between crop rows after emergence to feed your plants during critical growth stages. Traditionally, sidedressing liquid nitrogen takes place when corn is between the 4-8 leaf stage. But, do your plants really need this extra boost?

Nitrogen rich soil is necessary for healthy plant growth, and nitrogen tied up in surface residue does your plants no good. A sidedress application of fertilizer addresses those problems, and bands much needed nitrogen in the soil, increasing nutrient uptake availability to your plants.

It also reduces nutrient runoff and associated water contamination as well. Placing UAN in the root zone where plants can feed on it through their life cycle can boost your yields and your profit potential. And in those seasons where there is early season nitrogen loss, it can really pay off.

Agronomists from the University of Illinois compared forms of N application to see their effect on corn yield. When UAN was injected into the root zone, there was a 35 percent gain in yield and more than a 150 percent increase in R.O.I. when compared to broadcast UAN (University of Illinois Studies, 1995-1998).



A sidedress application with an NPX2800 will ensure that there will be enough nutrients available to your plants during critical plant development stages to maximize the yield potential of your crop.



NPX2800 (500 or 850 gallon tank)

The NPX2800 allows you to apply the right amount of fertilizer at the right time and at the right soil location to maximize fertilizer utilization and yields.

The NPX2800 can accommodate 30, 36, 38 and 40 in. row spacings. An adjustable axle allows for 62, 72, 76 and 80 in. spacings or an optional fixed axle can be chosen for 120 in. spacing. The optional ground drive includes a 7.0 – 14 Dyna-Trak bar lug tire for improved traction, spring cushioning to protect the pump, a stainless-steel drive chain and an optional one- or two-piston John Blue pump.

For better visibility, the coulters and ground drive system are mounted in front of the tank. The parallel linkage system raises and lowers the coulters while the tank remains stationary. The coulters assembly stays perpendicular when the bar is raised; no individual coulters depth adjustment is needed. The tank is mounted lengthwise for improved visibility during transport.

The NPX2800 is designed to maintain constant tongue weight whether the tank is loaded or empty, and the pressure gauge is easily visible from the tractor seat. Choose a tank capacity of either 500 or 850 gallons to best fit your operation.



Sidedressing plant rows maximizes nutrient uptake during the critical part of the growing season.



Wings fold over center for safe and convenient transport when moving from field to field.

STRONG TOOLBARS, FLEXIBLE FERTILIZER APPLICATION

NPX2800 (1300 gallon tank)

The NPX2800 1300 gallon unit sidedresses liquid fertilizer faster with a wider application width and a larger volume capacity. This unit features three working widths and can accommodate a wide variety of row spacings. The coulter bar and ground drive are mounted in front of the tank for excellent visibility, and the active hydraulic system maintains down force to keep coulters at the desired operating depth across the full width of the applicator – a key advantage over other competitive models.

The parallel linkage system raises and lowers the coulter bar while the tank remains stationary, and the wings raise slightly when making end-row turns for additional clearance.

The unit converts from 15 coulters for 16, 30 in. rows to 11 coulters for 12, 30 in. rows (and the 14 in. of space to the bottom of the coulter allows for greater crop clearance). The NPX2800 1300 gallon unit is designed to maintain constant and consistent tongue weight whether the tank is loaded or empty, and the pressure gauge is easily visible from the tractor seat.

The 4 x 8 in. frame and hitch tubing combined with two ranks of 4 x 6 in.

tubing with diagonal bracing add strength and durability to the toolbar.

In addition, pin adjust gauge wheels allow for quick and easy wing depth adjustment to match the center section operating depth. Large 420/80 R46 tires provide extra flotation, and the low (101 in.) and narrow (85 in.) tank provides for an optimal center of gravity and better rearward visibility for the operator. The solid formed steel sheet the tank rests on also distributes stress loads more evenly.



VALUE-ADDING FEATURES COME STANDARD

The root zone banding legacy of DMI is now a proud addition to the Case IH product line. Case IH Fertilizer Placement Equipment place nutrients deep in the root zone where they are more readily available to plants during the growing season.

As the industry leader in Fertilizer Placement Equipment, Case IH NPX2800 Sidedress Fertilizer Applicators are intelligently designed and constructed for convenience and durability regardless of field conditions. High spring down pressure maintains accurate coulters depth.

The toolbar is available with either a liquid coulters knife or injector. When sidedressing with a liquid injection applicator, it is very important to have a high-quality injection coulters. This will allow fertilizer to be injected into the soil to the full coulters depth, where it can be captured by roots and not tied up by surface residues.



The NPX2800 1300 gallon unit follows ground contours up to 6° down and 30° up, providing for extra clearance on turns and flexibility when operating in the field.

The Active Hydraulic System™ provides 1000 lbs. of hydraulic pressure on the wing-fold cylinders to force coulters into the soil, and the pressure reducing/relieving valve maintains down pressure while allowing the wings to follow the contours.



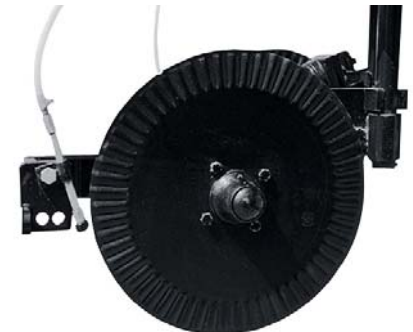
The front hose stand keeps hoses and wires away from the tractor hitch.



The plumbing and wheel adjustments are conveniently located for easy access.



The cast chromium carbide 1/4 in. knife assures that all liquid fertilizer is applied at knife depth. Minimum 10 PSI is recommended.

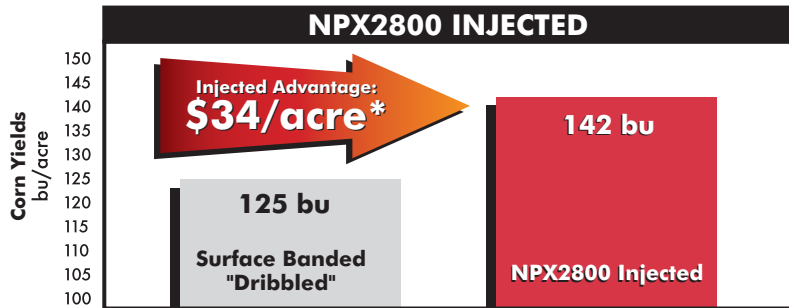


The liquid injector directs a high-pressure stream of liquid fertilizer into the coulters slot. Liquid injectors are very low maintenance. 40-100 PSI is recommended for precise application.

SIDEDRESSING. A SMART BUSINESS DECISION.

Short time frames in Fall and wet conditions during Spring can keep tractors in the barn while time runs out to apply nitrogen fertilizer in advance of planting. But, some agronomists are saying that with high nitrogen losses that are common in Spring, growers can wait until emergence to apply nitrogen. Sidedressing can replace important nutrients lost to runoff during wet Springs. And even when growing conditions are excellent, sidedressing can allow you to apply additional nutrients needed to feed a bumper crop.

Case IH NPX2800 Fertilizer Applicators are a smart investment for your operation. These applicators place nitrogen in the root zone where your plants can feed, even without additional rain, and improve your plant food availability and uptake. This eliminates nitrogen tie-up in the residue and surface soil, and reduces runoff and water contamination as well. The Case IH NPX2800 applicators improve your yield and your profit potential!



Average of 4 University of Illinois studies and 2 CNH studies. Sites: Belleville, Dixon Springs and West Salem, Illinois.

SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

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This literature has been published for worldwide circulation. Availability of some models and equipment builds varies according to the country in which the equipment is used.

SPECIFICATIONS

Unit	NPX2800 (500 or 850 gallon)	NPX2800 (1300 gallon)
Tank Capacity	500, 850 gallons (1893, 3218 L)	1300 gallons (4921 L)
Coulters	7, 9 or 11 at 30 in. (76 cm) spacing	11, 13 or 15 at 30 in. (76 cm) spacing
Working Widths	17 ft. 6 in. - 27 ft. 6 in. (5.3 m - 8.4 m)	27 ft. 6 in. - 37 ft. 6 in. (8.4 m - 11.4 m)
Transport Dimensions	12 ft. 4 in. width x 9 ft. 8 in. height - max (3.8 m width x 3.0 m height - max)	12 ft. 6 in. width x 13 ft. height (3.8 m width x 4.0 m height)
Tire Sizes	8-bolt hub w/ 14 L-16.1 (12-PR)	10-bolt hub 420/80 R46
Wheel Spacing	adjustable 62, 72, 76 and 80 in. or fixed 120 in. (adjustable 157, 183, 193 and 203 cm or fixed 305 cm)	adjustable 120, 144, 156 in. (adjustable 305, 366, 396 cm)
Gauge Wheels	n/a	pin adjust
Frame Tubing	4 x 4 in. (10 x 10 cm)	4 x 8 in. frame and hitch; 4 x 6 in. toolbar (10 x 20 cm; 10 x 15 cm)
Constant-Balance Tongue Weight	< 1000 lbs. (454 kg) with 7 coulters < 1200 lbs. (544 kg) with 11 coulters	< 2500 lbs. (1134 kg) with 15 coulters
Clevis	combination single or double	combination single or double
Ground Drive	Dyna-Trak tire; stainless-steel drive chain; John Blue 1- or 2-piston pump	Dyna-Trak tire; stainless-steel drive chain; John Blue 2-piston pump
Flashing & Warning Tail Lamps	standard	standard
Wash Tank	n/a	standard
Wing-Fold Hydraulics	standard	standard
Active Hydraulics	n/a	standard

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