



7130

TO THE MAX HARROW



Build Better Seedbeds - Build Better Roots - Harvest More Ears

7130

MAKE THE MOVE TO VERTICAL TILLAGE.



GREATER ROOT DEVELOPMENT, IMPROVED PLANT HEALTH AND GREATER YIELDS.

UNIFORM SOIL DENSITY – the result of a vertical tillage system – is the key to a rapidly and vigorously developing root system. The To The Max harrow delivers that uniform density better than any other tool.

IMPROVE GERMINATION IN DRY OR WET SPRINGS. In dry springs, the To The Max conserves soil moisture by working only the soil's surface. It won't disturb the planting zone and accelerate evaporation. In wet springs, you can get into the field sooner because the To The Max works the top 1 1/2" of soil rather than digging into four wet inches. The harrow cracks the surface crust and lifts and redistributes surface residue, so it dries faster and the soil warms quicker.

IMPROVE PLANTER PERFORMANCE WITH BETTER SEEDBED PREPARATION. The To The Max harrow isn't intimidated by heavy residue or wet field conditions. You can get in the field sooner, size and condition residue, and leave the field in picture-perfect planting condition. The result: you can be ready to plant days earlier than with traditional, horizontal tillage tools.



Look at your seedbed from a root's point of view. A cultivator sweep will lift and fluff the top three to four inches of soil, creating a horizontal floor that roots must penetrate. Roots are locked in this dry, loose soil until they can find an easy path to the moist soil below. This is precisely the time when the plant is determining its ear's length and girth, and a small amount of stress at this stage will shrink ear size.



The To The Max works the top inch of soil – above the seed placement zone. As roots emerge, they develop through uniform layers of soil. Roots maintain their diameter and grow down rather than out along the tillage layer. Roots grow deeper to weather proof your crop.

A PATENTED PROCESS FOR LEVEL SEEDBEDS.

OUR EXCLUSIVE, PATENTED COMBINATION of cutting reel, rolling harrow and leveling board work together to spread residue, dry the soil surface and crack surface crusts without changing the soil density – seeds germinate in warm, moist soil and roots get off to a healthy start.

BUILT FOR SPEED, ENDURANCE.

THE TO THE MAX IS BUILT FOR SPEED – typically 8 to 11 mph. And this machine can handle the stress and strain that comes from rolling at those speeds. Heavy duty bearings, reinforced welds and massive frame members all combine for trouble-free performance in most conditions.



↑ CUTTING REEL

Get all the penetration you need with this notched cutting reel. The aggressive, angled reel penetrates tight soils while it sizes residue. Unlike coulters that can create a density layer, these blades won't cut too deep.



↑ ROLLING HARROW

The rolling harrow is the heart of the To The Max system. It lifts and aerates residue as it breaks surface crust. And it is self cleaning – almost impossible to plug. A simple tensioning system reduces daily maintenance and increases wear life of the harrow and bearings.



↑ HYDRAULICALLY CONTROLLED

Hydraulically controlled cover boards to increase the leveling capability of the harrow. Adjust the down pressure on the boards to move more soil – leveling the typical 3"-5" hills and valleys from V-rippers and chisel plows.



↑ TRANSPORT

Fast in the field – and into transport. The harrow flips up and wings fold forward for speedy transition. Transport width for the 32-foot model is just 16 feet.

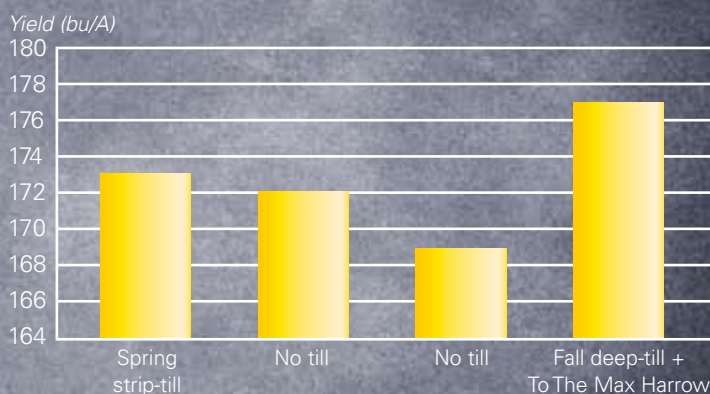


PATENTED PRECISION. HIGHER YIELDS.

CHOP, SIZE, LIFT, CRACK AND LEVEL – all at 10+ mph. This patented design provides the penetration, residue handling and seedbed conditioning needed for high-yield crop production over a wide range of soil types and soil conditions.

BOOST YIELDS THREE WAYS.

1. More timely planting into warmer, drier soils.
2. Eliminate plant stress at critical growth stage to maximize ear length and girth.
3. Improved root structure to nourish plant during pollination and grain fill.



Source: USDA National Soil Tillage Laboratory, Ames, IA. Algona Plots, 2003

TO THE MAX - MODEL 7130 SPECIFICATIONS

Working Width	32'
Rolling harrow attack angle	40° fixed
Transport Width	16'
Transport height	11'1"
Overall weight	13,600 pounds
Power requirements	200+ hp in typical conditions
Rolling blades	17" diameter reel with hardened steel blades on a spring cushioned frame
Rotary harrow Tines	3/4" od. C1060 heat-treated steel, tine assembly diameter is 16.5"
Tires	Main: 11L - 15
Leveling board	Hydraulically-controlled
Cushioned reel	C-spring
Notched reel blades	Standard



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