



NUTRIENT PLACEMENT

ORTHMAN SETS THE NEW STANDARD IN FERTILIZER APPLICATION

Multi-season, multi-product application

For easy pre- and post-emergent application of NH₃, dry or liquid the Orthman 3|AP Fertilizer Applicator is in a class of its own.

With features like greaseless, sealed-for-life bearings, greaseless composite bushings, chemical-resistant rubber springs, and innovative pin-adjust closing disks, there is nothing else like it.

Zero daily maintenance

Pre-plant and side-dress fertilizer applications are always very time sensitive, and with the Orthman 3|AP applicator's zero daily maintenance requirements, you can spend more time in the cab to cover more acres than ever before.

Wrench-free adjustments

Orthman's innovative pin-adjust closing disks let you set an entire machine and be ready to go in minutes.



3|AP

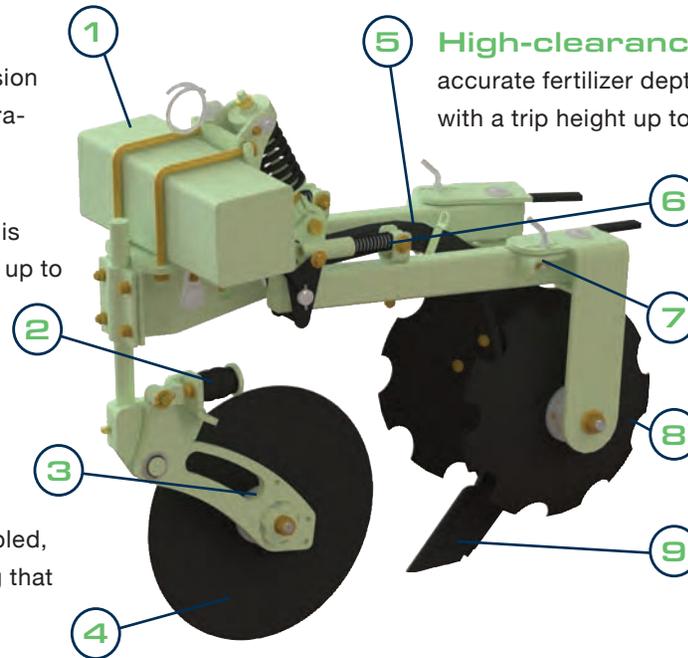
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1 **Orthman's industry-leading folding toolbars** feature wide, precision line-bored hinges for smooth folding and extra-engineered strength.

2 **Rubber compression spring** is fertilizer and chemical resistant and provides up to 1,200lb cutting force.

3 **Fully integrated hub bearing system** is greased and sealed for life, requiring no maintenance.

4 **20" coulters** is available smooth or rippled, and pivot on a greaseless composite bushing that requires no daily maintenance.



5 **High-clearance shanks** with adjustable down-pressure guarantee accurate fertilizer depth in the heaviest soils while guarding against rock impact with a trip height up to 4".

6 **Spring-loaded pressure** absorbs shock, prevents bounce, and helps prevent nutrient loss.

7 **Wrenchless pin adjustment** on sealing discs allow quick, precise changes for efficiency.

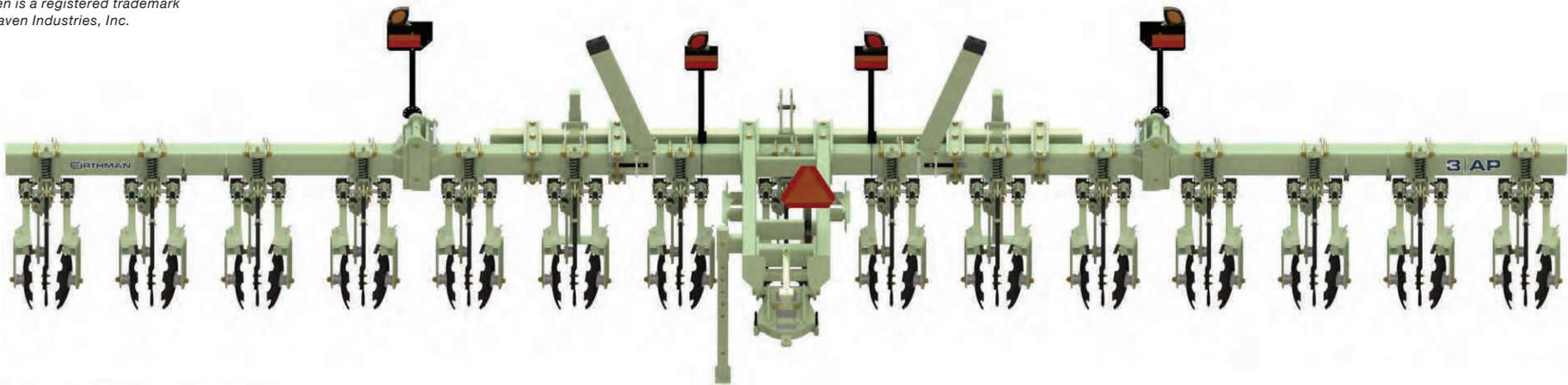
8 **Floating disc sealers** are unit mounted to allow for precise sealing regardless of shank depth.

9 **Point options** available in standard knife and mole knife configurations to tailor to your operation.

Other options

The Orthman 3|AP is available in a wide range of sizes to meet the needs of virtually any operation. Additional features include an integrated nurse tank hitch with built-in mounting points for a Raven® cooler system, integrated hose routing system, and optional crank-adjust gauge wheels for easy, precise height adjustments.

Raven is a registered trademark of Raven Industries, Inc.



A TOUGH ACT TO FOLLOW

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