H&S MANUFACTURING, INC.



AGRICULTURAL EQUIPMENT: BEET CARTS, BROADCAST SPRAYERS ROW CROP EQUIPMENT



H&S MANUFACTURING, INC.





H&S MFG., INC. 32506 430th St. NW Stephen, MN 56757

1-800-ROW-CROP 218-478-2229 www.hsmfginc.com





HISTORY

H&S began in 1971 by developing row crop equipment for the sugar beet industry in the Red River Valley. In the 50 years since then, product lines continue to expand to meet the ever changing needs of the agricultural industry. More recently, H&S has been a leader in the manufacturing of beet carts and sprayers.

WHO WE ARE

H&S is a team of farmers, engineers, product specialists, salespeople, welders, machinists, painters, and assemblers, all who take pride in designing and manufacturing equipment with the farmer's needs in mind. We hang our hat on creating products with superior quality and durability farm equipment designed and tested by farmers, for farmers. We strive to align product development with trends which the industry demands. This is what makes H&S "head and shoulders above the rest".

WHAT WE DO

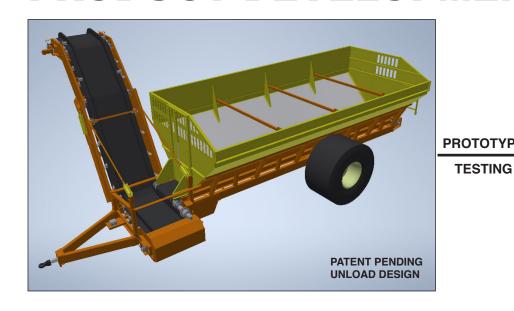
H&S is a premier provider of agricultural equipment. We work to continually upgrade our process and products to be technologically advanced and meet the needs of the future agricultural industry. H&S services customers with timely responses to help our farmers make the best decisions possible and maximize farming efficiency with an optimal H&S product





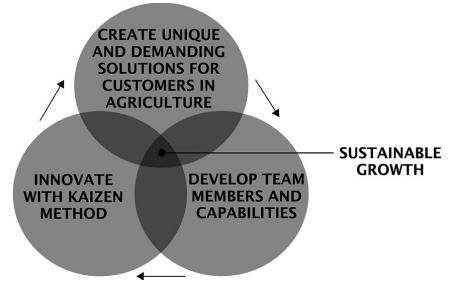
PREMIER PROVIDERS OF BEET | CARTS AND BROADCAST SPRAYERS

PRODUCT DEVELOPMENT PROCESS





PRODUCTION







SUGAR BEET CART



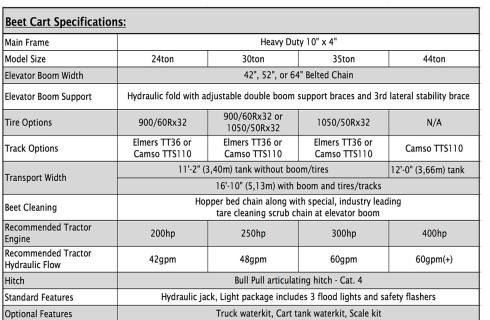


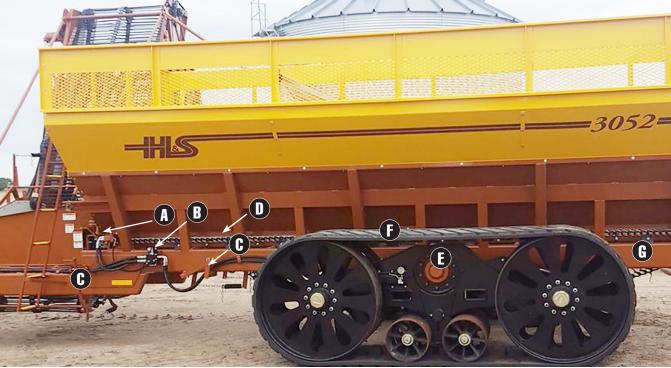




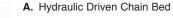












- B. Hyd. Release Safety Valve
- C. Bottom Chain Tightener
- **D.** 5/8 x 39 x 2.37 Bed Chain
- E. H.D. Hubs with 22mm Stud Bolt
- F. 900/60Rx32 Bar Grip Tires *1050/50Rx32 Bar Grip Tires *Trailed Tracks System
- G. H.D. 10x4 Frame
- H. Wide 1/2x42x2.00 Dodged Elevator Hook Chain Std. *Optional Belted Chain
- 42" Boom / 1/2 x 42 x 50mm
- 52" Boom / 1/2 x 52 x 50mm
- 64" Boom / 1/2 x 64 x 50mm

- I. *Plastic Side Wall
- J. Front Access Door
- K. Inside Boom Chain Tightener
- L. Boom Chute
- M. Work Lights
- N. Water Outlet
- O. Truck Guide
- P. *300 Gallon Water Kit with Hyd. Pump
- Q. *Bottom Fill
- R. Rear Access Door *Optional





- **EXPERIENCE: NEARLY 30 YEARS OF MANUFACTURING SUGAR BEET** CARTS CREATES A PRODUCT WITH THE CUSTOMER'S NEEDS IN MIND. • Competitive price with minimal parts replacement costs and proven resale
- market holding its value.
- Fast unload while providing scrub cleaning capacity for producer tare incentive.
- Added efficiency to keep harvester moving during the short window of fall beet harvest.
- · Water kit options to spray both trucks and tank of cart.
- Tire and tracks options with ability to continue harvest in extreme, muddy conditions.
- · Scale option to know your truck weights.
- · Hydraulic and/or PTO drive options.

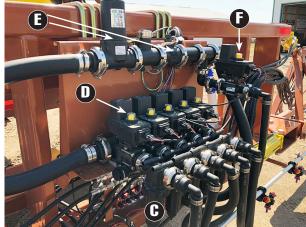


BROADCAST SPRAYER

A Broadcast Sprayer That is Field Tested... Farmer Approved.





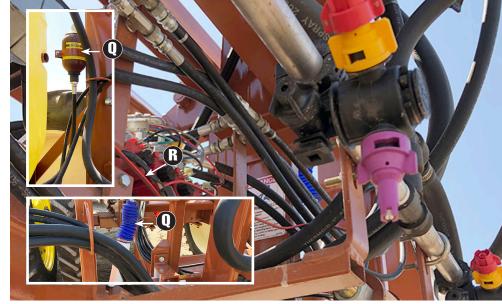


- B. Bottom fill for main tank and
- C. Inline filters optional.
- **D.** Electric ball valves. Fittings are flanged with O-Rings. Flow back manifold.
- E. Optional Raven Regulato and Flow Meter
- **F.** Optional electric agitation
- G. Optional 200 gal. boom an









- H. Standard Ace 150 hyd. pump
- I. Optional rate controller
- **J.** Clean outs are standard for complete rinsing of boom
- K. Urethane cushion wing
- **L.** Superior boom construction for years of service. Available in 90 ft. to 150 ft. widths.
- M. Wet booms available in aluminum or stainless steel 3/4" & 1" sizes
- **N.** Optional spring loaded touch down wheels. (Not shown)
- **O.** Large safety platform with fold-up steps.
- P. 380/90Rx50 or optional 380/90Rx46 tire with large hub and spindle for optional dual extensions.
- **Q.** Self-leveling boom uses a hydraulic accumulator along with shocks and spring to insure a smooth and level ride.
- R. Electric over hydraulic banks.
- S. All cylinders are ORB fittings, 3,000 PSI and with nitro-steel shafts.



RIDGER, DERIDGER, CULTIVATOR





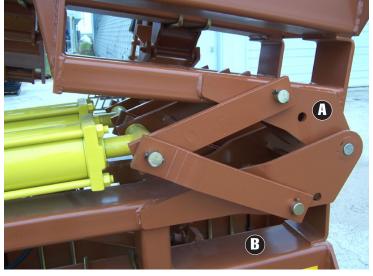
RIDGER ADVANTAGES

- Eliminates Wheel Tracks
- Holds Moisture
- Warmer Seed Bed Promotes Quicker Emergence



A. Double Folding Hinge

- **B.** 7 x 7 x 1/4" Double Bar
 - •Eliminate Wing Flex
 - Increased Strength& Durability



- **A.** 6 x 16 Gauge Wheel
- **B.** High Tension Spring to Maintain Constant Pitch on Shovel
- C. Individual Unit Adjustment for Precise Depth Control



DERIDGER

DERIDGING FOR FIELD PREPARATION

Ease of Depth Control • Durable Construction • Various Sizes Available







CULTIVATOR



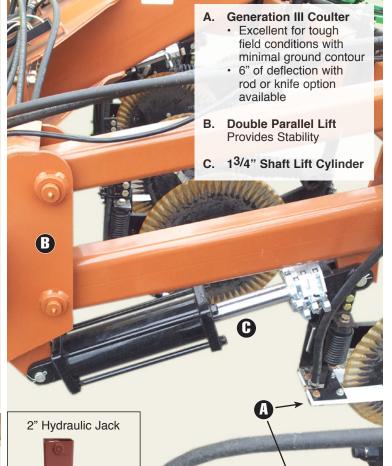






SIDE DRESSER, TRENCH FILLER, TRENCHER







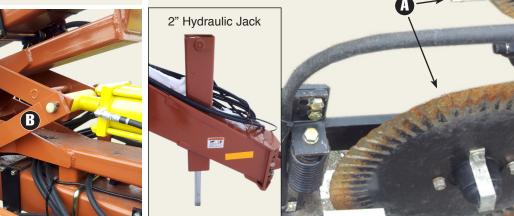
A. John Blue Impellicone

- · Allows for efficiency and control of targeted rates
- Variable rate application

Double Bar

- Increased strength and durability
- Eliminate wing flex





DRAIN TILE TRENCH FILLER **ADVANTAGES & SPECIFICATIONS**

- · (6) 24" diameter discs with lateral adjustment.
- · Discs close trench and cut up large clumps
- · (2) 42" long, staggered leveling blades follow behind discs

· Leveling blades have two settings of vertical adjustment for final hill height allowing settlement over the closed trench

- Heavy duty steel frame
- · Quick attach Cat II or Cat III for fast and easy use
- · High strength U-Bolt connections for disc adjustment and removable option for rear leveling blade support arms

H R

RENCH

ER



TRENCHER ADVANTAGES & SPECIFICATIONS

- · Ensures rainfall will run out of the fields quickly
- Removes ridges left by spring tillage
- 28" cone with 2" cutting blade

- Leaves an 8" trench when weighted
- · Weight baskets with side attachments for front tractor weights
- Quick point attachment makes for fast and easy use



Parts & Repair Service

Waste Containers

ROLLOFFS, REAR-LOAD DUMPSTERS, FRONT-LOAD DUMPSTERS (CUSTOMIZABLE AT YOUR REQUEST)

PARTS

- BEET CART PARTS
- · SPRAYER PARTS
- NOFFSINGER CHAIN & FLAILS
- TILLAGE SHOVELS
- PLANTER ATTACHMENTS
- BEARINGS
- HYDRAULICS

REPAIR

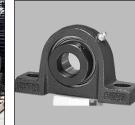
- AG EQUIPMENT PARTS REPLACEMENT
- BEET HARVESTER GRABROLL REPAIR
- · LIFTER WHEEL RE-RIM
- WELDING AND STRAIGHTENING REPAIR OF **METAL STRUCTURES**











































H & S CUSTOM FABRICATION

CUSTOM FABRICATION: STRUCTURAL STEEL, MISCELLANEOUS METAL STAIRS & RAILINGS, CUSTOM PRODUCT DESIGN AND FABRICATION (CARBON & STAINLESS STEEL)





























