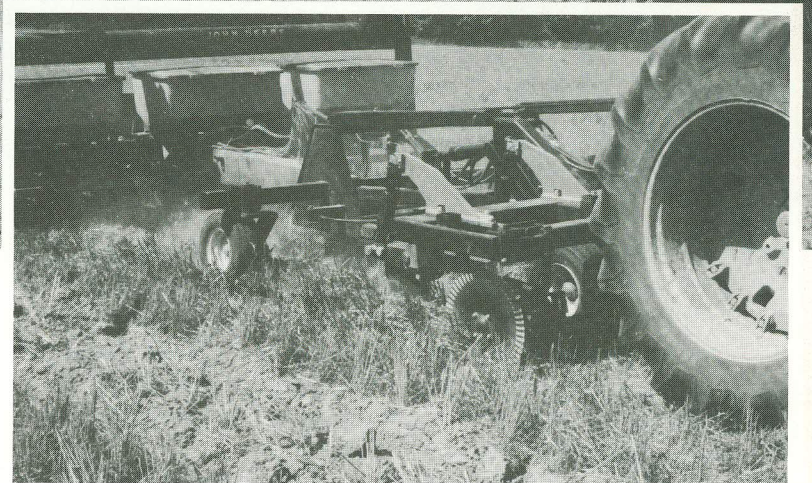


PARATILL®/PLANT SYSTEM



Saves your Soil while Till-Planting your Seedbed!

The Howard PARATILL/PLANT System prepares a seedbed, plants row crops with a conventional planter, and deep-places fertilizer -- all in one economical trip. If the tractor is suitably equipped, chemicals can be applied in the same pass.

What makes the PARATILL System unique is the Howard PARAPLOW® "legs" mounted along the toolbar at row-width intervals. Unlike other tillage tools, the legs loosen soil without turning it over, without creating clods or burying residue. The soil is fractured while the surface remains undisturbed to control erosion.

Each leg loosens a **zone of soil** 20 inches wide and 14 inches deep. Fertilizer is deep-placed via

tubes at the rear of the legs. The crop is planted in the loosened zones -- an ideal environment where soil and moisture are protected by residue. Soil between the rows is not loosened, so it acts as traffic lanes to support harvesting equipment or other implements.

Between the PARATILL unit and planter is a hydraulically operated hitch, manufactured by H.C.H., Inc. The hitch provides a lift-assist for carrying an anhydrous ammonia tank on the toolbar. It also keeps the planter positioned so that the seed is placed in the center of the loosened zones regardless of field terrain or turns in the rows.

How does our new PARATILL®/PLANT System Compare? Check out these Results!

UNIVERSITY OF ILLINOIS (ORR RESEARCH CENTER) 1984

PLANTING METHOD	PLANTING DATE	NITROGEN TREATMENT	CORN YIELD (BU/ACRE)
PARATILL WITH AMMONIA	MAY 9	AMMONIA AT PLANTING	150.6
PARATILL WITH SIDEDRESSED NITROGEN	MAY 9	AMMONIA ON JUNE 25	125.0
FOURTH YEAR NO-TILL	MAY 10	AMMONIA ON JUNE 25	94.6
FIRST YEAR NO-TILL (AFTER 4 YEARS OF CHISELING)	MAY 10	AMMONIA ON JUNE 25	124.5
SPRING DISC	MAY 10	AMMONIA ON JUNE 25	122.6

All nitrogen applications were 200 lbs.

JOE HENDRICKS FARM (RUSSELLVILLE, KY) 1984

PLANTING METHOD	PLANTING DATE	NITROGEN TREATMENT	CORN YIELD (BU/ACRE)
PARATILL WITH AMMONIA	APRIL 12	AMMONIA AT PLANTING	123.96
NO-TILL	APRIL 12	LIQUID NITROGEN ON MAY 15	113.40
PARATILL WITH SIDEDRESSED NITROGEN	APRIL 16	LIQUID NITROGEN ON MAY 15	123.36
PARATILL WITH AMMONIA	APRIL 26	AMMONIA AT PLANTING	115.46
NO-TILL	APRIL 26	LIQUID NITROGEN ON MAY 15	110.17
PARATILL WITH SIDEDRESSED NITROGEN	APRIL 26	LIQUID NITROGEN ON MAY 15	123.77

All nitrogen applications were 125 lbs.

Time and Fuel Savings . . . With the PARATILL/PLANT One-Pass System, Joe Hendricks reports that he tilled, planted, applied chemicals and nitrogen on 70 acres in 12 hours using 140 gallons of diesel fuel. That same 70 acres, according to Joe, would have taken several passes, 25.62 hours and 237 gallons with his old system.

Field days? It took Joe 6.2 working days to plant 435 acres with the PARATILL/PLANT System. Using his old system, the spring work alone (not counting fall chisel plowing) would have required 9.8 days!

Specifications

Models: 6-row (other models will be available)

Row Widths: 30"

Power: 30-35 H.P. per row

Working Depth: 14"

Linkage: 3-point Cat. II and III Standard, or Cat. III Quick Hitch

H.C.H., Inc.
Route 5, Box 31A
Russellville, KY 42276
(502) 726-2497



Howard Rotavator Company, Inc.
A Member of the Howard Group

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