

 **HOWARD®**

POWER HARROW



THE POWER HARROW

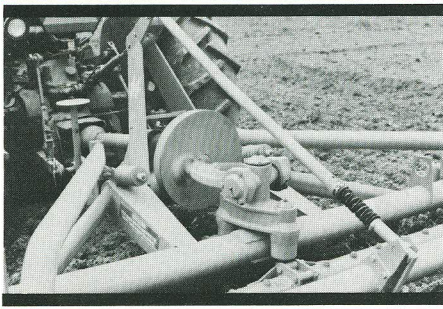
Secondary Tillage 180'' Wide ...
for Tractors 80 H.P. and Higher.

Howard's new Power Harrow is designed to prepare perfect seedbeds in less time — with less power needed and less fuel burned. "Simplicity" is the key. There are no gears or chain drive to absorb horsepower or pose maintenance problems, so you'll save on costly downtime. Save on field time, too. This secondary tillage machine produces seedbeds 15 feet wide at speeds of up to 8 mph! Twin reciprocating tine bars and 54 tines create a vigorous agitation in the soil, fracturing clods and leveling primary-tilled ground in a single pass. For the ultimate in seedbed economy, you can also team the Power Harrow with a planter or drill and chemical equipment to prepare, plant and incorporate in one time-saving trip.

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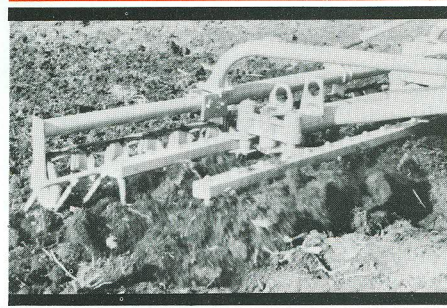
"ONE-PASS" SEEDBED FINISHING

First, you plow. Then you finish your seedbed in a single pass with Howard's new Power Harrow. And that's it. No other tillage implement is necessary. The Power Harrow produces perfect seedbeds for corn, soybeans, small grains and other general crops, plus specialized vegetable crops — all in one economical trip.



SECONDARY TILLAGE FAST AND SIMPLE

Simplicity in design, operation and maintenance makes Howard's new Power Harrow one of the most reliable and economical seedbed-makers you can buy. Built without gears or chain drive, it saves on tractor power, fuel and wear. It's



fast, too, traveling at speeds of up to 8 mph behind an 80-or-higher PTO horsepower tractor.

Twin reciprocating tine bars are driven by a simple flywheel and eccentric yoke. Each revolution of the tractor PTO moves the tine bars laterally through one complete cycle. That's 27 tines on each bar moving in opposite directions 1,080 times a minute! This creates a vigorous agitation in the soil which fractures clods and levels a 15-foot-wide seedbed in one pass. No ridges, no furrows, ready to plant.

The full-width crumble roller accurately controls tillage depth

while firming and leveling the seedbed and eliminating wheel marks. Since the soil is tilled vertically — not turned over — moisture retention is maximized. At the same time, soil compaction is minimized with single-trip efficiency.

SURE, EFFECTIVE CHEMICAL INCORPORATION

Howard's new Power Harrow is ideal for incorporating herbicides, fertilizers and insecticides. The chemicals are uniformly distributed at a controlled depth. In fact, application equipment can be teamed with a planter or drill plus the Power Harrow to incorporate, prepare and plant in a single pass. That's true one-step economy!

MANY MODELS TO CHOOSE FROM

Howard manufactures the Power Harrow and a complete line of ROTAVATORS for all crops and farming conditions. Choose models from 32 inches to 180 inches wide for tractors from 10 H.P. and up. Contact your local Howard dealer or write direct for full details.



SPECIFICATIONS

Tillage Width: 15' (180")

Power Range: For tractors 80 PTO H.P. and higher with 540 rpm PTO.

Linkage: Category II and III, 3-Point.

Tillage Depth: Adjustable to 8" via full-width crumble roller.

Transmission: UJ drive via flywheel, eccentric yoke and pivot assemblies to twin reciprocating tine bars. Each bar has 27 steel alloy tines, 54 total. Tine bar stroke 5 1/2".

Machine Weight: 2,145 lbs.

THE HOWARD ROTAVATOR COMPANY A Member of the Howard Group of Companies
Harvard, IL 60033 Warehouses in Sacramento, CA and Jacksonville, FL.



ROTAVATOR



ROTAPRESS



POWER HARROW



ROTASPIKE



TURF-QUAKER



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