



**GET PUSHED!! FAST!!**

**Over HILLS AND CONTOUR STRIPS  
Thru MUCK AND LOW GROUND**

## **Let's Talk**

In 1912 A.C. Howard had a revolutionary idea for breaking virgin ground. Instead of trying to pull a moldboard plow that would bury the turf mat, he thought of a rotary hoe action that would separate vegetation from the underlying soil using engine powered blades that would PUSH the tractor.

A.C. Howard believed that if a tillage machine would help push the power source, the tractor could be very light. It was a well understood fact that wheel slippage makes for inefficient use of power, and in certain conditions forward movement might be impossible. The usual remedy for wheel slippage has been to add more weight to improve traction, which consumes some power just to move that extra weight, plus additional weight may cause soil compaction which affects the following crop. A.C. Howard reasoned that putting power directly into the soil through rotating blades that PUSH the tractor was much more efficient use of power than trying to transmit power from the engine via the wheels to the soil to pull something.

In ground conditions where pull type equipment is inefficient, ineffective, or just simply will not work, the PUSH from a HOWARD ROTAVATOR will allow a good job to be done fast and easy in a remarkable variety of conditions.

There is never any need for fluid or wheel weights on a tractor powered Rotavator. Front wheel assist is not necessary, but sometimes helps with steering the tractor in wet or sloppy conditions. Dual wheels are not necessary, but may be desirable if flotation is a need. Removing all unnecessary dead weight will allow faster forward movement, a better tillage job and reduce compaction caused by the weight of the tractor. No tire wear occurs during Rotavation, except to that part of the tread, that in certain conditions, acts as a brake to hold the tractor back. Rotavator owners report a dramatic decrease in all tire related expenses.

A Rotavator can incorporate thick and wet manure FAST and thoroughly once the forward rotating blades engage in the soil beneath the slurry. Forward speed is just as fast as if the slop was not there. The rear soil shield must be in the raised position allowing free flow of soil, slurry, and residue out the back of the Rotavator. Heavy residue will not wrap or plug as it is pushed out the back with everything else. Depending on the volume of slurry or dry manure, more than one pass may be required to incorporate the material into the soil. The bigger the problem, (ie: a thicker or wetter slurry) the faster a Rotavator will get the material incorporated compared to any other tool. A Rotavator will incorporate the slurry into soil easier, better and faster than any other tillage tool.

Hills, contour strips, muck soil, sand, low ground, and other conditions or situations can create a big problem for pull type equipment. The PUSH of a Howard Rotavator makes short work of the most difficult conditions. Many times the work a Rotavator can do easily is difficult, time consuming or impossible with pull type tillage equipment.

During critical times of the year getting the job done early and fast is essential. Using a Rotavator is most often the quickest way to get a quality job done because it will work in conditions where other tillage tools will not.

Width and speed are only parts of the equation to get a quality job done quickly. Most important of all is acres worked correctly at the end of every day. When the going gets tough, the PUSH from a Rotavator makes for more consistent, better quality and higher output per day.

**GUY MACHINERY - 14213 WASHINGTON ST - WOODSTOCK, IL. 60098**  
**PHONE 815-338-0600 - FAX 815-338-2525**  
**E-Mail: [guymachinery@yahoo.com](mailto:guymachinery@yahoo.com)**