



## **MANY USES FOR THE HOWARD ROTAVATOR ON A GRASS FARM**

### **Let's Talk**

#### **KILL VEGETATION**

No need for herbicides and the results are more consistent and less expensive. Often just 1 pass to get the next crop established. Noxious grasses and weeds may require a 2<sup>nd</sup> or occasionally a 3<sup>rd</sup> pass to make sure they are dead. (For more information see Let's Talk !!!KILL!!! UNWANTED GRASS WEEDS AND BRUSH WITHOUT CHEMICALS). Heavier Rotavators (i.e. E, S, M, HR30, 40, 50) can kill multi Flora Rose and smaller (up to 2" dia.) soft wood trees. Kill it rather than try to mow it.

#### **MAKE SEED BEDS**

The best seed bed possible for small seeds. Usually one pass, at the most 2 passes, to get the result you want. If necessary, level seedbed with a harrow, and / or firm with a roller.

#### **DRY WEATHER GRAZING / WINTER GRAZING**

Give yourself some easy and inexpensive Drought Insurance when the perennial grasses stop growing. Take off your 1st cutting of hay, then ROTAVATE once 3" deep, then drill annual forage (i.e. sorgum-sudangrass). Graze as required during dry stress. Later on, ROTAVATE once 3" deep and reseed to a late fall / winter annual (i.e. oats and turnips). One pass saves more moisture for germination of the next crop. ROTAVATION is fast and easy compared to any other tillage tool.

#### **CONTROLLED, SHALLOW TILLAGE**

Helps conserve moisture and Horse Power, and avoids deeper stones/ rocks. Allows more work / hour than multiple trips with other tools. A PROVEN minimum tillage system for organic farmers – Since 1912.

#### **BROAD CAST SEED OR CONVENTIONAL DRILL**

No need for a No-Till Pasture Drill when renovating pastures. Over the years, a lot of seed has gone thru No-Till Pasture Drills, without achieving satisfactory results. Kill some or all of the vegetation with the ROTAVATOR, and then reseed with a BRILLION SEEDER, a 3 point spreader seeder, end gate seeder, or a conventional grain drill (i.e. Sorghum-Sudan grass). A BRILLION SEEDER will distribute the seed more evenly per square foot of any method. A No-Till Drill, in an existing sod situation, does not kill enough of the existing vegetation for the new seedlings to compete. Additionally, the soil is often times not loose enough for young seedlings to develop quickly enough to compete against mature healthy plants. Unless noxious plants (i.e. endophyte infected KY 31 tall fescue, multi flora rose, thistles etc.) are present, usually one pass with the ROTAVATOR will kill most of, or severely traumatize the surviving vegetation, so as to allow the new seedlings to flourish.

## **WINTER PADDOCKS**

Clean up all your winter Paddock quickly and easily with a ROTAVATOR. With large amounts of bedding - remove with loader and compost elsewhere. With lighter bedding / wasted hay sites (up to 6" to 8" high) use ROTAVATOR to mix material into soil; level, and reseed.

## **MAKE THE BEST USE OF MANURE**

Penpack, solid, semi-solid, liquid, any form - just spread it any way you want to, and the ROTAVATOR can immediately follow up and incorporate the manure. (The ROTAVATOR pushes the tractor and will not wrap nor plug). Manure incorporated into the top 3" - 4" of soil immediately after spreading, is your best defense against run off. Incorporation with a ROTAVATOR will improve your soil biology, and is not destructive like plowing, disking, chiseling, or injecting. One pass mixes; bringing soil organisms, air, and manure together to quickly eliminate odor and pathogens.

## **TURN BEDDING FOR CLEANER HEALTHIER COWS**

Increase the usefulness of bedding (i.e. Wood shavings, chopped straw, etc.) in certain barns. ROTAVATE to mix the wet manure on top with drier bedding below. Keeps the cows cleaner, and extends the life of the bedding (used extensively in poultry barns for this purpose as well as reducing the likelihood of respiratory problems).

## **MANAGEMENT**

Mineral Balance, Soil Fertility, is something the farmer can monitor and control. Graziers should strive for optimum mineral balance in their soils, and only use products that enhance soil life. It is good biological activity that gets minerals into plants; it is then the farmers' management decisions as to other inputs. The role of the ROTAVATOR is to help the farmer manage plant species and how that relates to palatability, digestibility, dry matter volume, dry stress, wet stress and degree days throughout the year. These variables ultimately determine degrees of success or failure.

## **KEEP THE WIFE HAPPY**

The best prepared garden she has ever had.

A HOWARD ROTAVATOR IS THE MOST VERSATILE SURFACE TILLAGE TOOL ON THE FARM, BECAUSE IT IS THE MOST ADJUSTABLE. THE ADJUSTABILITY OF THE ROTAVATOR ALLOWS FOR CONTROLLED TILLAGE. THE BEST TILLAGE IS THE LEAST TILLAGE; JUST ENOUGH TO MEET THE NEEDS OF THE CROP THAT WILL FOLLOW. DEFINE THE TILLAGE OBJECTIVE, AND THEN ADJUST THE ROTAVATOR FOR OPTIMUM ONE-PASS PERFORMANCE.

FOR ADDITIONAL INFORMATION OF HOW TO GET THE BEST PERFORMANCE FROM YOUR ROTAVATOR OR HOW ROTARY TILLAGE CAN BEST FIT YOUR NEEDS, CONTACT GUY MACHINERY.

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