

## **HOW THE W-W GRINDER/SHREDDER HANDLES DRY AND WET MATERIALS**

All W-W Grinder/Shredders are equipped to handle dry and wet material. The standard  $\frac{3}{4}$ " perforated screen furnished with the W-W Grinder/Shredder is for grinding dry and friable material. This screen is ideal for such materials as dry leaves, straw, hay, shrubs and tree trimmings, or finishing compost to potting soil consistency. This size perforated screen will not tolerate a great deal of moisture. If high moisture material, such as wet sod, wet manure, etc., are being ground through this size perforated screen then a large portion of dry material must be mixed with this material to preclude matting and bridging of the perforated holes.

If a preponderance of your material to be ground appears to be higher moisture and you still wish to use a perforated screen to get a finer grind, then larger perforated screens, 1", 1- $\frac{1}{4}$ ", 1- $\frac{1}{2}$ ", and 2" screens are immediately available for your machine.

These larger perforated screens, in states where there is continuous rainfall and higher moisture material without the opportunity for proper drying, may be warranted and one may be ordered in place of the regular  $\frac{3}{4}$ " screen. However, we normally do not recommend the customer buy these screens until he has had an opportunity to try the standard screen that thousands of other users have been able to use satisfactorily for their organic gardening program.

If the operator wanted a screen for every conceivable type material, we would recommend the  $\frac{3}{4}$ " standard furnished and two additional in  $\frac{3}{8}$ " and 1- $\frac{1}{2}$ " perforation.

All W-W Grinder/Shredders are equipped with either bars or roller rods. These are used in this manner:

The screen can be taken out in accordance with the operating instructions accompanying each machine and in its place the bars or roller rods are inserted into the machine, making  $\frac{1}{2}$  of the cylinder circle having gaps of approximately 1- $\frac{3}{4}$ " between the bars or roller rods.

This permits higher moisture material to be fed over the high speed cylinder with the roller rods retarding this material, yet precluding the bridging one would obtain with the perforated screen.

If the material is exceedingly wet then every other bar or every other roller rod can be removed until the right gaps are provided to attain the desired grind and at the same time handle the higher moisture material.

Your W-W Grinder/Shredder will probably be used 75% or more of the time with the roller rods or the bars, since many materials simply cannot be ground through a perforated screen because of the high moisture content. As an example, the bottom of a compost pile that has been properly heated and additive water supplied, will be entirely too wet to ever try to grind through a perforated screen at that time.

With your W-W you will have no problem in shredding and aerating the complete pile for accelerating your decomposition process.