

## GRINDING MATERIAL

The screen in a W-W Grinder/Shredder is a Grading Mechanism. The smaller the screen perforation the longer the material will stay in the Grinder cylinder chamber. When material is shattered, hammered, torn, broken, and shredded by the cylinder hammers to particles small enough to go through the perforations in the screen, this will be the end product of finished ground material.

The amount of moisture in a material will have a great deal to do with the size perforation that can be used. The drier the material the smaller the perforation that can be used without clogging the screen perforations. (Holes)

Screens Perforations available are 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2".

The questions most often asked about sizes of perforation to be used for different materials and purposes:

Animal Feeds: Corn, Milo, alfalfa, oats, barley, wheat and etc.

Pig Feed (Pulverize) - use 1/8" perforated screen.

Chicken Feed - use 1/4" or 3/8" perforation for cracking grains.

Cow & Horse, and Sheep Feed - Use 1-1/2" screen for coarse grind, use 3/4" for ear corn and hay.

Bark - Decorative Bark should use 2" screen; for compost or mulch use 3/4" screen.

Bone Meal - Requires a W-W Hammermill with boiled bones, use 3/16" screen.

Cornmeal for Human Consumption - Use 1/16" screen in W-W Hammermill.

Expeller Type Meat Scraps - Use W-W Hammermill with 1/4" or 5/16" screen.

Grass Clippings - Fresh Cut green grass cuttings from lawn mower catcher should be left to dry several days. Then use 3/4" screen.

Hops - For Malt use a 1/2" screen.

Kelp (Seaweed) - Depends on moisture content, 3/4" screen ideal for low moisture, 1-1/2" screen if more moisture.

Leaves, Shrubs &

Tree Trimmings, Table

Scraps, Small Bones, Sod

all manures, Straw, Hay,

Vines, Garbage, etc

-- Use 3/4" screen, if moisture is high use wood chips or tree limbs to clean the screen otherwise use larger screen, 1-1/4" to 2", perforations or roller rods or shredding bars.

Manure - Use 3 parts dry (wood chips), hay or other material and grind through 3/4" screen. Wet manure use roller bars spaced as necessary for moisture content.

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Oyster Shell - Use 1/4" to 3/4" perforation for chicken feed.

Palm Fronds - See our Special Bulletin on Palm Frond grinding.

Paper - Use 3/4" or larger. Paper grinding is noisy, dusty and tough. Many worm growers as well as organic gardeners use all types of paper for their requirements. Most of them prefer to presoak the paper to ease grinding --- less noise, dust and easy to grind.

Peanut Hulls - Use 1/2" or 3/4" screen and run over grinding cylinder twice.

Pine Needles  
& Cones ----- The standard 3/4" screen. Some customer feel that a 3/8" perforated screen is ideal for pine needles.

Shrimp Shells - Use 1/4" or 1/8" screen.

Shrubs and  
Tree Trimmings - Use 3/4" screen or 1-1/2" screen.

Soil Lab Testing - Use 1/8" or 1/4" and 3/4" screen, depending on soil Laboratory requirement.

**CAPACITY:** Many ask how much? All W-W Grinder/Shredders will grind the material. More power more capacity.

Pulverizing of material at first grind is not nearly as important as getting material broken up and into decomposition. All organic gardeners are aware of the importance of getting material into compost (decomposition), the important thing is to get it into process of decomposition ie: sunshine, water and turning the pile. Grind it later with a Grinder, the roller rods will be necessary for this. The W-W Grinder has the roller rods or shredder bars as standard equipment.