

gen and potassium seem to have direct influence on hardness.

### K-N Help Grass Survive Cold

"Winter survival of grasses appears to be favored by a high potassium ratio in the soil, which increases soluble carbohydrate reserves in the grass roots," Wagner explained. He added that potassium is also important in reducing high temperature injury to grasses.

In an extensive discussion on turf species comparisons at the conference, Lawn Institute speaker Dr. Schery narrowed the field of suitable grass species for Wisconsin to Kentucky bluegrasses, fine fescues, and the bentgrasses.

"A very satisfactory, all-purpose blend for Wisconsin might combine two or three bluegrasses with a modicum of fine fescues, depending on the amount of shade and soil quality," Schery advises. He stressed that Merion Kentucky bluegrass is still considered the best bluegrass commercially available for well-maintained lawns.

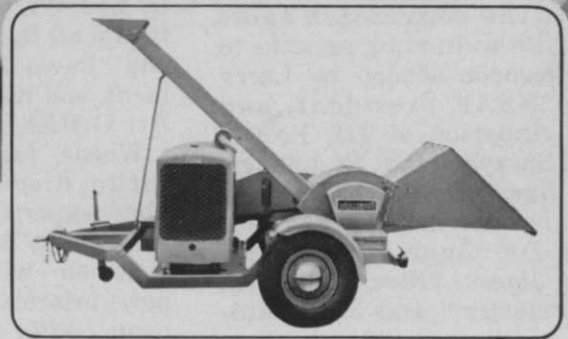
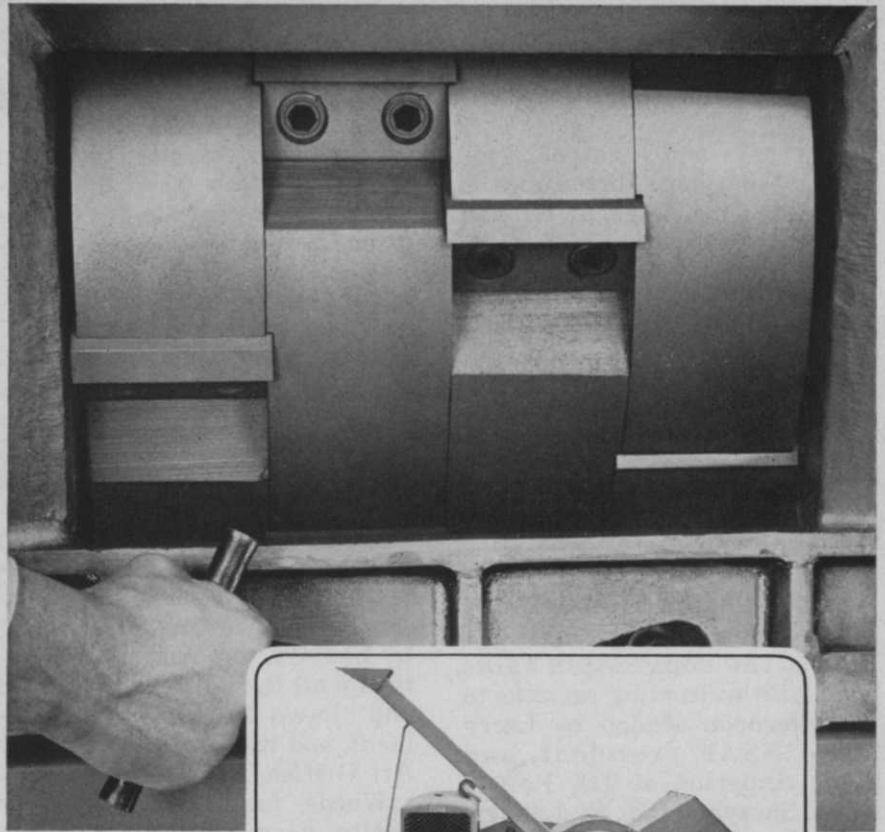
Schery concluded his section of the program by reminding turfmen that seed selection must be made in consideration of local environmental variations which can call for seed mixtures for optimum results.

### Agra Enters Herbicide Field

A new line of herbicides, including weedkillers, brush killers, and plant hormones are now available, with entry of Agra Industries Ltd., into the herbicide field.

Announcing the entry, company president Robert D. Sharp said the Agra line now includes a wide range of 2,4-D and 2,4,5-T herbicides produced by Thompson Chemicals Corp., St. Louis, Mo., and Los Angeles, Calif. Agra products to control annual, perennial, and general weeds and woody plants are to be sold under the Thompson Chemicals label.

For available literature write to Agra Industries Ltd., 355 Lexington Ave., New York, N. Y.



## Why do staggered knives chip tree trimmings better?

Why do you get them only on  
Mitts and Merrill brush chippers?

Smoother, more economical operation that is easier on the chipper's internal mechanisms are the solid reasons for staggered knife superiority.

Look—most brush chippers use four knives that run the full length of the cutting cylinder. They are spaced around the cylinder at four equal intervals.

M & M, however, divides the same knife length up into 16 smaller knives, spaced only inches apart around the cylinder. Full length knives take only four cuts each time the cylinder revolves. The staggered knives take 16 cuts per revolution.

This faster cutting action draws the log in smoothly and distributes

cutting shock four times more evenly throughout each cylinder revolution. Machine vibration is virtually eliminated; there is less shock per bite; horsepower is used more efficiently; and a lot of fuel is saved.

Knife changing is quicker and easier in M & M design too, because we use a foolproof pin and wedge-lock principle. Knife sharpening is a snap because no angle grinding is required and the double edged knife can be sharpened many times before it needs replacing.

Why can you get staggered knives only on M & M chippers? Because M & M has been the design leader of wood reduction equipment for over 70 years.



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