

• Now Is The Time - -

(From page 4)

**TO ORDER FALL FERTILIZER NEEDS**—When ordering fertilizer for barley or wheat growers are reminded that phosphorus and potash are the important elements; many times nitrogen is not needed on small grains and will increase lodging trouble; fertilizers such as 0-20-20 or 0-15-30 are recommended for good soils. This same analysis of fertilizer should be used this fall on alfalfa, clover, or pasture fields; fall fertilization after the last crop is removed and after the grazing season, is recommended.

**TO SPRAY FOR FOURTH ALFALFA CUTTING**—Several growers have reported rather heavy leaf hopper damage in the recent weeks, the stunted yellow color of the plants are typical symptoms. Many growers will get the fourth cutting with continued favorable moisture; this means that a spraying with Methoxychlor when the new growth is 4 to 6 inches high will protect the plants and give better growth.

**CHANGES IN WILL**

Some sections of your will may need to be changed from time to time, says Sanna Black, Penn State extension home management specialist. Reasons for making changes include the need to make special provisions, sale or ownership change in property or belongings, and changes in the family.

The nation's dairy cows produced 122.9 billion lbs. of milk in 1960. This was about one billion pounds up from the year before, says the National Dairy Council. The all-time production record occurred in 1956, with an output of 124.9 billion lbs.

• Alfalfa Sprays

(From page 1)

one to use. While Dieldrin gave excellent control when applied as directed last fall, good control might be possible at lower cost with Heptachlor. The latter material normally sells for about half the cost of the former.

But, Menusan points out, there is more to consider than cost of materials. The cost of application is the same for either material, and application sometimes costs as much as the spray.

Also worth considering is the time of application of the two materials. While Dieldrin can be applied any time during October and November, Heptachlor should not be applied after the last of October. The FDA approval reads "after the last cutting but before Nov. 15," but we say before November 1, Menusan said.

If the farmer needs his alfalfa for late fall pasture or wants to make a late cutting of hay, he would be able to hold the job off for another month. Menusan cautioned that neither material is recommended after December 1, and that no forage should be harvested, with machine or by grazing, after the field has been sprayed.

Menusan said research in Pennsylvania shows better control with sprays than with the granular form of either material. While both the emulsion and granular Heptachlor have been given clearance by the FDA Penn State is strongly recommending the emulsion.

With either method of application, about one pound of the actual chemical is needed to give control.

Because of the difference in weights of the material, about eight pints of the Heptachlor emulsion per acre would be needed to do the job of six pints of Dieldrin.

For best results, Menusan said, not less than 20 gallons of water per acre should be used. Thirty or more gallons will give more complete and even coverage, and is preferred over the smaller amount.

Height of the forage in the field at spraying time is not an important factor, the insect specialist said, as long as a good spray cover is put on.

For the farmer who plans to use the granular material, the recommendations are 50 pounds of a two per cent material, or 40 pounds of a two and a half per cent material. Smaller amounts of a higher analysis granule are not recommended because of the difficulty of spreading the material evenly.

Menusan concluded by cautioning farmers not to spray either of the materials after December 1 and not to harvest any of the sprayed fields before May of 1962.

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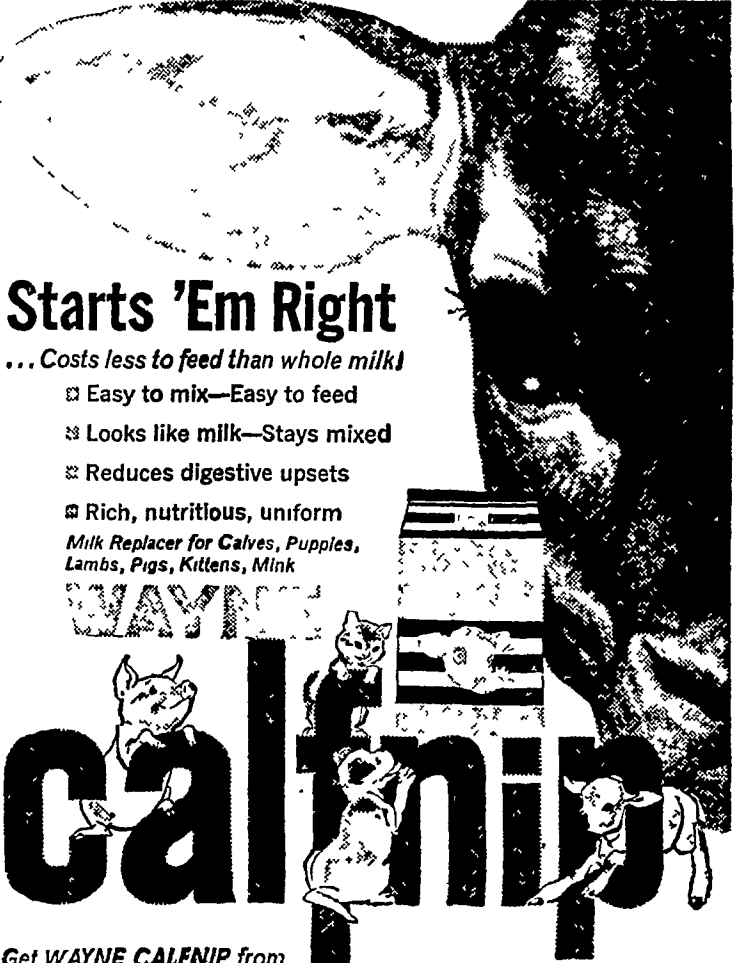
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