In the Field of Agriculture

ages over selection later in the sea- unit. One step further that can be son. In the first place, it enables advocated for the commercial growone to select ears that are known to er was taken, that is, a careful dehave matured at the proper time, scription was made of the shape and able, some of the later maturing ears sanguine anticipations. Many hills may be selected, because they are have produced only runts of plalikely to be larger and heavier.

desirable, one carno profitably se- plants. Still others have given both because corn that will not mature that further selection is necessary. dried out before freezing weather, anxious to increase the yield and which is very important in maintain- quality of their potato stock should ing a strong germination.

POTATO HILL SELECTION

In extension bullatin No. 50, "The Seed Potato Plot," Minnesota experiment station, hill selection is strong- TO PROTECT LIVE STOCK FROM ly advocated for the improvement of the yield and quality of potato varieties. To carry out this selection. the exceptionally vigorous and

HILL SELECTION OF SEED CORN and designated with a stake or some to the United States department o one waits until the corn has been university farm. Last fall several them off. cut these factors cannot be consid-hundred hills of Early Ohio and Sir Walter Raleigh potatoes were har-Early selection of seed corn from vested separately and this spring the the hill has many important advant- product of each hill was planted as a while if the selection is deferred and size of each tuber planted. The reweather conditions continue favor- sults to date have surpassed the most and others have produced or ax-While the large, heavy ears are ceptionally healthy and vigorous lect them at the expense of maturity, strong and weak plants, indicating is bound to be an unprofitable crop. High yield and desirable tubers Early selection from the hill avoids probably will not be produced by all the danger of the corn being injured the rank-growing vines, but it is cerby frost while it is still damp in the tain that only unproductiveness can husk. It also allows for ample time be correlated with the weak and for the corn to become thoroughly sickly plants. All growers who are

FLIES

give their immediate attention to the

selection of the desirable hills now

growing in their fields. - Richard

Wellington, Assistant Horticulturist,

University Farm, St. Paul.

The problem of protecting live healthy plants, which are known to stock, especially milk cows and work have started from one tuber or seed animals, from flies is almost continupiece, should be noted in the field ously before the farmer, according

other simple marker so that they agriculture. Most of the repelling Hill selection of seed is urged by can be readily found at harvest time. substances "thich might be named every institution interested in the When the selected hills are dug, a are of only temporary value, as with improvement of corn, says A. D. Wil- second selection should be made and practically all of them the flies begin kinson, director of agricultural ex- only productive hills, with well- biting again within a very few hours tension, Minnesota experiment sta-shaped tubers should be preserved. after application. This necessitates tion. By selecting corn from the Discard all hills possessing abnor- considerable expense for the ingrestanding stalks in the field one can mally tapering, elongated, and deep- dients and the application of the maconsider other things besides the ear eyed tubers. Keep the product of terial, and with many substances itself. The height of the ear on the each hill in a separate receptacle and some ill effects are produced on the stalk and the strength of the stalk plant the same as a unit the follow- host by their continued application. may both be considered, and whether ing season. In this way large quan- A mixture of fish oil (1 gallon), oil or not the ear grew on a stalk that titles of potatoes can be produced of tar (2 ounces), oil of penuyroal had the whole hill to itself or had within a few years from one mother (2 ounces), and kerosene (1/2 pint) to compete with two or three other hill. This me hod of selection has applied lightly to the parts most atstalks can be determined while if been practiced on a large scale at tacked by the flies will tend to keep

Work animals may be largely protected by placing blankets over their backs and trousers on their legs. Dairy stock and horses when in barns may be protected by having the barns screened and brushing the flies off with burlap as the animals are driven in. The use of hodge fly traps in a few of the windows will also aid in the destruction of the flies which endeavor to escape from or enter the barn. This ily trap is of simple construction. When large numbers of flies are within the barn, the catching of the flies may be facilitated by darkening the windows which are not fitted with traps. The trap is described fully with illustrations in Farmers' Bulletin No. 540, United States Department of Agriculture. Washington, entitled "The Stable Fly," which vill be furnished free to those desiring more complete information regarding the pest.

SEED BED FOR SWEET CLOVER

In general, the same preparation of the seed bed should be given for sweet clover as for alfaira, advises the Nebraska College of Agriculture. Earl, plowing followed by occasional disking and harrowing is desirable on heavy to medium heavy soils. In case the plowing is done shortly before seeding, the soil should be repacked either with a roller or by disking several times with the disk set rather straight. A firm, moist, seed bed is very important. Under these conditions a stand is quite certain, but there is much danger of losing the seed when sown on a poorly prepared seed bed. In case of spring seeding, it may also be sown on cornstalk land by simply disking in preparation. Upon loose, sandy soil, which is inclined to blow, it may be desirable first to seed the land to a small grain crop and then, instead of plowing, merely disk the stubble before sowing. The stubble will tend to hold the soil. Upon prairie sandy sod, where the stand of grass is light, sweet clover may be sown directly upon the sod without first breaking it. The seed may be covered by a shallow disking.

SAVE THE STACKS

With straw piles from a 40-acre tract worth, according to conservative estimates, \$100 for the fertilizing constituents alone, the agronomy department of the Nebraska College of Agriculture again calls particular atattention at this time to the waste of destroying them. According to data gathered from Nebraska farmers, wheat straw may be put to many uses. It may be scattered effectively on the wheat land as a top-dressing to check blowing in the sandy regions. Others find it profitable to scatter the straw on land that is

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