

Simple Rules for Economical Feeding.

1. Grow as much of your own feed as possible.
2. Utilize roughages to the greatest degree possible.
3. Keep feeding stalls and pens well lighted, dry, clean and well ventilated.
4. Feed regularly.
5. Make changes in rations gradually.
6. Feed only what is eaten up clean and quickly at each feed.
7. Have clean fresh water before the stock at all times.
8. Study the individuality of each animal.
9. Feed mixtures where possible, as a variety of food is more palatable, and palatability is a factor in digestibility.
10. Cut feed to avoid waste.
11. Make a wide use of oats which should form the basis of all our grain rations.
12. Always be kind and quiet with the stock. It pays.
13. Study market values of feed, and compound balanced rations accordingly, in order that the cheapest available be used.
14. See that the stock gets regular and sufficient exercise.
15. Keep all feeding troughs, mangers and utensils clean.—Prof. Wade Toole, Ontario Agricultural College, Guelph.

The Proper Ration for Horses When the Fall Work Closes.

When the fall work is completed and the hard-worked horse is at the beginning of his long period of idleness, feeders naturally plan to change the ration and carry the horse through the winter as cheaply as possible. The horse should get exercise regularly. He should not be taken from regular hard work and tied up in a stall day in and day out. If possible, the work should gradually ease off and the feed, particularly the grain ration, should be cut down accordingly. The idle horse may be wintered almost wholly on roughages. Good clover hay, or better, a mixture of clover and timothy well cured will serve as the main winter feed. Roughages are always cheaper than grain, and where hay is available the grain ration of the idle horse should be very small, but if horses are fed straw in place of hay a small grain ration is required to keep them from losing in flesh. A few roots are beneficial, a good-sized turnip once a day or a few carrots will be found to aid digestion. If hay is not plentiful straw may be substituted at the noon feed and roots given with it. In feeding hay make the morning and noon ration smaller than the night feed, giving about as much at night as at the two other feeds. Idle horses should be fed three times daily. If any grain whatever is fed make it rolled oats and it is not necessary to give more than a quarter the amount used when the horses are at hard work provided plenty of good hay is available.—Prof. Wade Toole, Ontario Agricultural College, Guelph.

WINTER HOME FLOWERS

Frightening the Windows When Broom Is Most Welcome.

Cleaning and Grading Grain—How a Good Fanning Mill Properly Operated Will Greatly Increase the Yield of Field Crops—Every Farmer Should Have One.
(Contributed by Ontario Department of Agriculture, Toronto.)

To insure a supply of flowers during early winter for the window it is necessary to have suitable plants started early in the fall. Among the best kinds for early winter flowering are a few of what are known by florists as Dutch bulbs. Of these there are only a few kinds or varieties that can be had in flower early in the winter. White Roman Hyacinths are very satisfactory for early flowering. The colored Roman Hyacinths are not as good, and do not flower as early as the White Romans. The loose growing, richly perfumed flowers of the White Romans are very pretty and acceptable. The Paper White Narcissus can also be had in flower early. French grown bulbs of the Trumpet Major Narcissus can also be had in flower in the window before Christmas by potting the bulbs toward the end of September, or not later than the end of October. All of these bulbs can usually be had early in October at seed stores. Pot the bulbs in rather sandy potting soil as soon as the bulbs can be obtained. The soil should not be too rich in fertilizers. Three or four bulbs can be put in a five-inch pot. The top of the bulbs should be just under the surface of the soil when potted. The surface of the soil should be about half an inch below the top of the pot for water space. Water the bulbs well as soon as potted and set the pots away in a cool, dark place in a dark cellar or cupboard until roots have well started, usually for about four or five weeks. When roots are well started, and possibly showing through the hole in the bottom of the flower pot, they should be brought into the window to flower. Keep the soil well moist, not too wet, until they are through flowering. Dutch Hyacinths and many other varieties of Narcissus (Daffodils), Tulips and Freesias can be potted in October or November, but few of them will flower until January or February.

Bulbs of these can be started in deep saucers or soup plates in October for early flowering. Set the bulbs firmly in the saucer and then fill the saucer or dish with fine gravel stones, so as to almost cover the bulbs. Fill the saucer up with water and set them away in a dark, cool place, as mentioned before, for about three weeks, until roots have well started, when they can be brought into the window to flower. These will flower in December. Keep the saucers filled up with water as required. Callas, Epiphyllum or Xmas Cactus, Cyclamen, Primulas, several varieties of Begonia, especially the Glorie de Lorraine type of Begonias, are suitable for Christmas, as well as the dwarf Semperflorens type of Begonia that flower so profusely either in the window in winter or out of doors in the summer. Late flowering Chrysanthemums are also good for early winter decoration. All of these last named plants have to be grown expressly for the window or purchased from a florist. The bulbs named as suitable for early flowering can be grown with very little trouble and expense by any one who takes an interest in flowers and in flower growing. No plants or flowers give more satisfaction in winter than do the winter flowering bulbs before named.

Cleaning and Grading Grain.

These two farm operations may be accomplished at the same time and by the same means. The fanning mill is the most successful medium in obtaining this result and too much importance cannot be placed on the use of this machine. The successful operation of the fanning mill depends on two factors, that of wind blast and the use of sieves. The removal of light or inferior grain and the smaller and lighter weed seeds is almost wholly dependent on the wind blast. It also assists the sieves because it removes part of the grain which would otherwise have to pass through them and it prevents clogging in the sieves by light seed. The two most important sieves are those of the top and bottom. The top sieve should be just large enough to let the grain pass through and keep back the larger impurities. The bottom sieve should be of just sufficient size to keep back the good seed.

The utility of many fanning mills is impaired by the owner not possessing a full assortment of sieves and by his using poorly-fitting sieves, which allow weed seeds and grain to lodge in the mill. The efficiency of many fanning mills too is often lessened by the operator being in too much of a hurry. To obtain the best results, grain should pass slowly over the lower sieve. When the fanning mill is turned too rapidly or the lower sieve has too much slope, many of the smaller impurities will not be removed.

Well cleaned and well graded grain is not only free from weed seeds, other seeds, dirt and chaff but is larger in size, has greater uniformity, weighs heavier, is of better quality and is of stronger vitality than grain not so cleaned and graded. No farmer can afford to be without a good fanning mill and there are many farmers who would be much better off if they extended its use.—Dr. C. A. Zavitz, Ontario Agricultural College, Guelph.

When the soil is moist, but not sticky, the drag does the best work. The road will bake if the drag is used on it when it is wet.

Repairs to roads should be made when needed, and not once a year after crops are laid by.

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NOTICE OF APPLICATION FOR DIVORCE.

NOTICE is hereby given that Rose Hirst, Married Woman, of the City of Toronto, in the County of York, in the Province of Ontario, will apply to the Parliament of Canada, at the next session thereof, for a Bill of Divorce from her husband, Thomas Leslie Hirst of the said City of Toronto, Peauster, on the ground of adultery and desertion.
DATED at Toronto, Province of Ontario, 18th day of November, 1918.
DOUGLAS & GIBSON,
17 Queen Street East, Toronto,
Solicitors for the Applicant,
Rose Hirst.

NOTICE OF APPLICATION FOR DIVORCE.

Notice is hereby given that George Irvine Tuck, of the City of Toronto, in the County of York, in the Province of Ontario, School Teacher, will apply to the parliament of Canada at the next session thereof for a Bill of Divorce from his wife, Edna Marie Tuck of the City of Detroit, in the State of Michigan, Married Woman, on the ground of adultery and desertion.
DATED at Toronto, Province of Ontario, the 4th day of December, 1918.
FRANK J. HUGHES
Solicitor for applicant,
George Irvine Tuck.

Division Court

The Next Sitting of Division Court No. 3, County of York will be held in the Court Room.

RICHMOND HILL

—ON—

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