

Farm News

By: Tom Mills County Extension Agent for Agriculture

Cut Large Round **Bale Hay Losses**

harvest in square bales was the common practice and most barns were designed for humans moving small bales. Today Rockrastle County, like much of Kennucky, has adopted round bale hay as the principle harvesting method. Large round bales require tractors from moving and manufacture and the common state of the county of the

is allowed, round bales just do not stack as efficiently.

A majority of large round bales are stored outdoors and face weather damage from the elements.

Decisions now on where and how large round bales of hay are stored will determine how much and what quality this winter's feed supply will be. One should also look at the financial' consideration for using

round bales by measuring hay

round bales by measuring hay losses.

Studies on the weathering effects of hay stored in different ways show some interesting facts. A round bale that is 4.5 feet in diameter and 4 feet wide occupies a total volume. Of 4 cubic feet, Even shough 4 diameter, a weathered layer 4 diameter, a weathered layer and the studies of the bale, including ends, would contain 39% of the total package volume. Even a layer that was only 2 inches deep over the surface would occupy 22% of the bale would be suffered to the surface would occupy 22% of the bale exposed round bales do not penetrate as far into the bale as on the outer circumference of the bale. When losses on the end of the bale are disregarded, a 4 inch deep layer contains 28% of the total bale

volume. Since the ratio of surface area to volume decreases with increasing bale size, larger round

aleas should have smaller storage losses on a percentage basis. With these facts in mind, what can be done to save hay? Whenever possible, store hay inside. Better quality hay and alfalfa hays should be patored inside first. Long, stem feasure will bale tighter and shed water better.

Bale storage sites should be well desired to the storage sites should be well departed to the storage sites should be well defined. Any method such as quality to the storage sites should be well forgated to should be should be supported to the storage sites should be well forget the obvious. Store hay so that weeds and trees do not prevent forget the obvious. Store hay so that weeds and trees do not prevent good air movement for drying. Bale storage areas located under the st

One might look at hay loss like a mowing machine or rake that left 125% to 30% of the hay in your promore information contact the field. Most farmers would not stand for a shootly yob, but accept.

Cooking can destroy nutrients

By: Hazel Jackson County Extension Agent for Family & Consumer Science

Many fresh fruits and vegetables are more plentiful this time of year. Since fruits and vegetables are an order of a healthy die as you cook these foods. You can order network the produce nutrient loss by following some basic guidelines. When foods are cooked at high temperatures for a long period of time, the greatest vitamin loss occurs, especially with some water of the produce nutrients, support of the produced by the prod

sensitive. So use fast-cooking methods such as microwaving and

methods such as masterial steaming.

Cooking vegetables in a microwave over preserves nutrients because this method cooks rapidly and requires little or no added water. You can reduce nutritive loss by using the microwave oven to reheal efflovers or to cook frozen or canned foods.

Another way to reduce vitamin loss is to cook vegetables and fruits in as luttle water as possible. For this reason, steaming is preferable to boiling. Steaming froods helps retain nutrients because it requires a short cooking time and little water, and the steam of the steam o

the pot or pan during cooking. This cuts clooking time and decreases more than the water, reducing nutrient loss in the water, reducing. You can use nutrients that, are leached out by putting the water from boiling or steaming into soups, gravies and stews.

Cook vegetables whole and unpeeled. A major portion of the vitamins is in the peel of vegetables who the vitamins is in the peel of vegetables who the vitamins is in the peel of vegetables of the vitamins is in some peeled, which decreases its mutrient content. Pre-cut produce loses some vitamins because more surface is exposed to air.

cul produce roce source vanamente con produce roce varieties exposed to art. To feduce nutrient losses, do not soak fruits or vegetables in, water prior to cooking. And cook foods as close to serving time as possible because the longer food sits in liquid, the more nutrients are lost. Total nutrient loss depends on, several other factors, including how the food was handled and stored before you bought it and its before you bought it and its the most benefit, buy only as much the most benefit, buy only as much will be the most benefit, buy only as much as you will be the produce, or use frozen or canned produces. For more information on analy mutrinon, contact your Extension Service at 256-2403.



Special hay tarps help farmers prevent weather damaged hay. Tarps are heavy weight material with UV protection to prevent sun breakdown. Special pokets on the edges allow pipes or rebar to be secured by plastic rope placed under blates as stacking takes place. The pieture above is a tarp rolled back on two-year-old hard.



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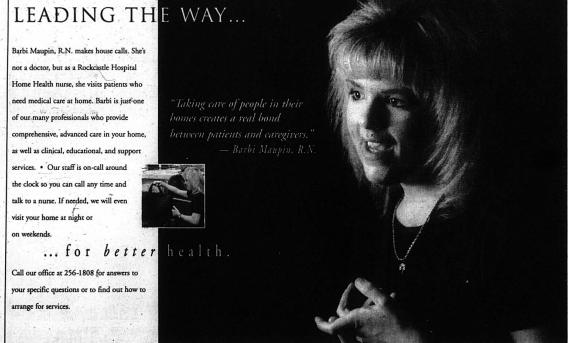


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