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Balanced Ration for Milk Cows

I have corn ensilage, clover hay and
mixed peas, oate and barley, Please
give me a balanced ration for dairy
cows-J.M., Leed: Oo. Oat.
Cows giving very little milk or dry
cows will require little meal if they
believe of well matured corn enpowers of well matured corn enpowers of well matured corn ention. For cows milking quicombinant of the combinant of th

barley, five lbs.

The quantity of grain fed should be reduced in proportion to the decrease in the milk flow, about one lb. grain to four or five lbs. of milk being a good rule. When you have a large supply of heme grown pew, oats and barley, the bran can be left out of this ration altered and the supplies that the supplies the supplies that the supplies the supplies that the supplies the supplies that the supplies that the supplies that t oats and barley, the bran can be left out of this ration altogether and three lbs. of mixed grain substituted for the four lbs. of bran. A small quantity of roots added to this ration will increase its palatability and tend to keep the cows in a healthier con-dition.—E.

Comparative Feeding Value

Comparative Feeding Value
Prof. Ralph Hoagland, of the Division of Agricultural Chemistry, Minnesota University Farm, has recently
tabulated the results of numerous
analyses of red clover and timothy
hay, made to determine their comparative feeding value in the fattening of live stock. The figures below
show the number of pounds of digestible nutrients in one ton each of
clover and timethy, respectively:
Difference

Nutrients	Cl'ver	Differenc	
		Tim'thy	
			of Clove
Ash		72.9	+17.0
Fat	38.0	24.5	+13.5
Protein	150.2	65.9	+84.3
Crude Fibre	290.7	418.6	-127.9
Carbohydrates	552.6	462.5	⊥ 90.1

Carachydrates ... 552.6 462.5 490.1

The results here presented show conclusively her superiority of clover conclusively the superiority of clover in feeding value. Clover contains over twice as much digestible protein, and considerably more digestible fat and carabhydrates than timothy hay. Clover is especially suited for young stock and milch cows while timothy is more used as a feed for horses. Its market value for this last purpose is so high as to forbid its profitable use for general stock its profitable use for general stock its profitable use for general stock feeding, since the same amount of nutrients can be purchased in other feeds for less money.

## Ode as Grain Feed for Stock

Analyses show that oats are higher Analyses show that oats are higher in protein than sorn and are about equal to wheat; ad barley. They are higher in ash; an any of the other grains, and \$\varepsilon\$ considerably higher in fat than either barley or wheat. On account of the hulls, oats contain the highest percentage of crude fibre, an undesirable element. On a straw contains means on the straw contains means on the straw contains means of the straw contains means.

The Feeders' Corner is for the sum of a considerable amount of crude fibre in the hull. Onte an absorbers. Any interest of the sum of our subserbers. Any interest of the sum of our subserbers and pure the sum of the sum

not too high in price.

Probably by far the greater portion of the oats produced is fed to horsees. In the epinion of many good horsemen no other feed produces as good results in keeping the animals in good condition and high spirits. Though the stimulating effect of oats made to the condition of the condition

SUBSTITUTES FOR OATS FOR HORSES

Oats are usually fed whole to hor-ses. In the feeding of young cotts and older animals with poor teeth, grinding or crushing the grain is of benefit. Musty grain sheuld never be fed to stock. When oats are high in price, corner other ways. and once animas was poor teets, and the content of the content. Musty grain should never be for to stock. When oats are high in the factor of the content of

COMPARED WITH BRAN FOR COWS

COMPARED WITH BRAN FOR COWS

The high protein content and readily digestible nature of oats make
the consistency of the consistency of the consistency
of the consistency of the consi she, an undesirable element. Out straw contains more protein and more fat than methods or the straw of any other straw. Outs have long train. Or feeding horeas. Their high protein content furnishes a large mount of muscle-building animals and for the maintenance in the strain of older ones at heavy work. The protein and fat in the ferm of corn at the complete mastication and digestion are sided of the maintenance in the complete mastication and digestion are sided of the complete m

show that this grain is only a little lower in feeding value than corn for fattening sheep, better results will be secured by feeding corn and oats mix-

fattening sheep, better results will be secured by feeding corn and oats mixed than cats alone. Oats are usually fed unground. Breeding ewes should be fed a half pound of oats, bran, or peas daily, the selection of the grain typercling on the availability and the precision of the prices of the different feeds. Sheaf on good feed for sheep as well as for cite stock. Ground oats can be fed to young lambs with excellent results. As previously stated, on account of the large quantity of crude fibre in oats, this grain is not well adapted for use in feeding hogs. An experiment at the Wisconsin station shewed excellent results when a ration of one-third ground oats and two-thirds corn meal was fed to growing pigs. The proportion of ground oats or the ground oats and two-thirds corn ground oats are the proportion of ground oats or the ground oats are considered to the ground oats on the ground oats are considered to the ground oats on the ground oats are considered to the ground oats on the ground oats of the ground oats are considered to the ground oats on the ground oa or the substitution of whole cats for the ground oats decreased the rate of gain and increased the cost. Ground or crushed oats are excellent for brood sows. They can be fed with best results in the form of slop, alone or in combination with bran, shorts, or peas—C. W. Warburton in U. S. Farmers' Bulletin 420.

SYNOPSIS OF WADLEN SORTHWIST I AND IN WAS AND PERSON WAS AND PER

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How "Eastlake" Steel Shingles will save you money



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