roper Nourishment of Brood Ani-mals Now Determines Success of Spring Litters.

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SOWS NEED WINTER RATIONS

Investigation Shows Whole Grain Can Be Purchased Much More Cheaply.

WEEDS AND GRIT IN MANY

on Knowing Amount of Vari-ous Ingredients in What They Buy.

They Buy.

From Department of Publications, Michigan Agricultural College.
East Lansing, Mich.—Keepers of poutry—and this includes the little fellow who keeps a few hens as a hobby as well as the big poultry man who is in the bushness for the unony them is in It—are unarly of them following is policy of "penny wise and pound foolish" in the buying for they scruck feets. Lured on hy fanty annues and pretty fletures they have been paying extravaging retices for commercial mixtures mude up of common gratas, often of birderin quality, adulectated not infrequently with week seeds and limestone grit.

A few shrewd individuals have for some time been more or less aware for this fact, but it remained for the chemists of the experiment station of the Michigan Agricultural college in

ericke is important.

The exact amount of feed required to winter sows, however, cannot he stated defaultely, for imuch depends upon the condition, ang and the individual of the condition and the individual of the condition and the individual of the condition and the condition to the fall should not be come very fat. Sowe in fair condition in the fall should night from 50 to 75 pounds at lenst before farrowing time, for the loss in the condition in the fall should night from 50 to 75 pounds at lenst before farrowing time, for the loss in the condition in the fall should night from 50 to 75 pounds at lenst before farrowing time, for the loss in the condition in the fall should night from 50 to 75 pounds at lenst before farrowing time, for the loss in the condition in the fall should night for the fall to the fall should night for the fall should night fall night f 25 to 100, per cent to, for into the mirket lit necessary, buy the whole grain
and mix it themselves.

As with all things, of course, both
good feels and had were found, but
irrespective of what class they fell
into, it was proved that 21 would be
much cheaper for poultry men to use
whole grain. Thus, there was and
feed, and it was one of the best by
the was; offered on the market
St. 50 a hundred tout.

St. 50 a pullible pounter men.

In the very best sample there was
only \$1.3 worth of grain—and it was
selling at \$4.50. In most samples the

sample of the feel of the sample of the

strength of the sample of the sample

prices ranging from \$1.50 to \$4.75.

Of coarse much stress has been hid

thy the inautacturers on helf fact that

those seratch feeds are offered as

"halanced rations" to five the han

valid by the inautacturers on helf fact

that the serat hale to brains and

fost his heas a superior fare at a

dollar less per hundredweledt. On

found, for instance, was found to chain

10 pounds of barby. 30 pounds

of sched to pounds of the serve.

2 pounds of some 10 pounds of harby

20 pounds of wheat, 4 pounds of bar
ley 10 pounds of wheat, 4 pounds of bar
ley 10 pounds of wheat, 4 pounds of bar
ley 10 pounds of feed tested.

Some few reliable farms at least

used yore reliable farms at least

used yore wellable farms at least

used y

Weeks Will Be Occasion for Displays of Purphered Greps.

Fast Lansing. Mich. — Purchred grains, which have become one of the bird factors in Michigan's effort entertheologies. It was a superstant of the factors in Michigan's effort entertheologies. The purchase for the Michigan Cop Improvement association. It will be recalled that it was these men's crops of Red Rock wheat, Rosen rye and Worthy, Alakander and Success oats which played so large a part in the campital association and the control of the factor of the food campaign must be considered.

redding Invitations and mouncements Engraved Monogram Stationery.

The final conclusion drawn from the impectations was that if poultry men mote the wider use of purebred stock in the state, will be a sale of pediatrophysical pouncements. The final conclusion drawn from the impectations was that if poultry men for the wider was considered and the way from 25 to 100 per cent in the way from 25 to 10

Oh! That Grand and Glorious Feeling!!

When you've been tired and ach and grouchy and you take a refresh

of Spring Litters.

By W. E. J. EDWARDS,
Department of Animal Husbandry
Michigan Agricultural College.
East Lansing, Mich.—The near opproach of winter has made the matter of winter rations one of much concer's to the man who has brood sows
on his hunds, for as every breeder of
hoss well knows the success of spring
litters is largely predeteruined by the
treatment accorded the brood animals
from liths time on. Sufficient number
ing feed is essential and plenty of exercise is important.
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