



## Clothes a Good Color

To have Clothes perfectly cleaned and good color, the Soap must remove all the visible and invisible impurities. **SURPRISE** will do this thoroughly.

## DIARRHOEA IN FOALS RAISING THE PIGS RIGHT

## Scours Causes Many Losses Among Young Colts.

**Symptoms Described and Treatment Suggested — Laudanum and Castor Oil a Good Drench — Preparing for Gardening.**

(Contributed by Ontario Department of Agriculture, Toronto.)

The occurrence of Scours in foals is responsible for a considerable part of the losses among them during the earlier periods of their lives. It often makes its appearance within a few days after birth, without any apparent cause. Among the various causes responsible may be mentioned too long intervals being allowed between the sucking periods, as is often the case when the dam is being worked and the foal allowed to suck only during the mornings, noon, and evenings, and when the foal is hungry the milk is swallowed rapidly and in excessive quantities. Another frequent cause is the foal sucking the mare after she has been over-exerted, or while she is in an overheated condition, and the udder has become filled with milk in which there can be an excess of the production of the scours, drawn from the system.

Artificial feeding is also another cause, as in the case of foals being fed on cow's milk.

It may also result from the indiscriminate use of physic medicines.

The milk of the dam is also materially affected by the nature of the diet, and sudden change from one kind of food to another can result in diarrhea in the milk, which tends to derange the stomach of the foal.

There are also other predisposing factors, such as exposure to cold rains and the keeping of the young animal in damp, unwholesome stable, and especially where the floors are filthy and wet, owing to lack of drainage.

In addition to the foregoing, there are also some infectious agents (diarrhoea germs) which cause a very fatal form of scours or dysentery in foals.

**Symptoms.—**When the foal is affected with scours, the symptoms may be first preceded by a constipated condition, which, however, is soon followed by the passage of liquid matter.

This discharge is thin, watery, soft and slimy and have often a strong offensive odor.

The tail and hips become soaked and covered with the discharges, which, in severe cases, become more frequent and very watery. The foal then rapidly loses condition and becomes very weak, and the belly becomes tender.

If not arrested, the condition may prove fatal in from two to four days.

**Treatment and Prevention.—**As a means to prevention, the first consideration should be the avoidance of the various causes which have been mentioned. The foal should be protected from exposure to cold rain storms.

The stable should be well maintained, the floor dry, and the stall provided in the stall occupied by the foal.

In cases where the foal is being fed on cow's milk, it should be modified to suit it by the addition of about one-third water and being sugar to make it sweet to the taste.

In cases where the dam is being worked and the foal having access to her milk, the farmer should take similar care should be exercised to prevent it, when milking and the stomach empty, from sucking the milk too rapidly and in excessive quantities.

If the dam has been over-exerted and become over-heated, some of the milk should be withdrawn by hand from the udder to allow the foal to commence sucking.

The hygiene of the treatment employed in affected foals is to some extent governed by the origin of the trouble, so that the cause should be ascertained if possible.

With the exception of those cases which have resulted from the improper use of physic medicines, it is important to be treated by giving a teaspoonful of laudanum combined with two ounces of castor oil as a drench. In addition to a teaspoonful of prepared chalk and powdered catechu may be given in a cupful of boiled milk or flour gruel every four or five hours until the movements of the bowels become more regular.

Another common remedy is a tea-spoonful of laudanum and a tea-spoonful of laudanum, given in a little boiled milk, repeated every four hours as required.

When the foal is in a weakened condition, its strength should be kept up by means of an egg beaten up with several ounces of the mother's milk, and poured carefully into the mouth, at short intervals of time, for hours, as may appear necessary.

The foal should be kept warm and comfortable until better.

If the foregoing measures are not effective in checking the condition within a reasonable time, a special veterinary treatment may be resorted to.

Really the best is to exercise for a farmer and his wife to produce a home. And it should be considered as much of a sign of poor farming as the growth of weeds along the roadside or the tumbling of fences.

## Roughage — Have It Good.

A good cow must be capable of handling large amounts of roughage. Provided with plenty of high quality forage she will produce much more economically than when fed grain to balance poor hay and straw.

Black agouti, a rare animal, has been found to produce the most of roughage per pound of milk from twenty-four to seventy-five cens. In an American experiment twelve cows were divided into two groups. One group received silage and legume hay, the other the same roughage allowance with grain added.

The second group produced more milk but the first one did not sell as easily excepted the market from the standpoint of economical production.

These facts are not meant to indicate that it does not pay to feed grain but to show the importance of plenty of good roughage.

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## Roughage — Have It Good.

New Zealand has produced the biggest hog on record, "Billy, the World's Wonder Pig," as he is officially designated, is a two-year-old Berkshire cross, weight, 1,058 pounds; height, 3 feet 9 inches; length, 8 feet 9 inches; girl, 6 feet, and he is still growing.

Put spraying machine into good condition, and test it!

Keep plant aphids in check by using some tobacco preparation.

Preparing for Gardening.

This month begins the active gardening work. Hot-beds should be made, and the seed of the early vegetables sown, including onions, early celery, early beets, and the first season plants like tomatoes, egg plants and peppers should be started.

Many of these seeds for small gardening work may be started inside which will relieve the necessity of making hot-beds until the first of next month. Manure for top-dressing the ground should be hauled over the latter part of this month.

Put spraying machine into good condition, and test it!

Keep plant aphids in check by using some tobacco preparation.

## For Sale or For Rent.

100 acres, Concession 5, lot 24, 3 miles from C. P. R. station. Bank barn, 60 X 45, good frame house, one acre of good orchard, 80 acres under cultivation, 20 acres hard wood bush. Well fenced, running spring at barn, also 15 tons of hay.

Apply Box 180, Friesville, Ont. 2345c.

Do not enter another day with the following:

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