

Low cost feeding in pigs using locally available feeding materials

DIMAPUR: In Nagaland, there exists a tremendous scope for piggery development because of the fact that almost 100% of the population are non-vegetarian and have been involved in rearing pigs. However, pigs are reared as a subsidiary source of income by the people of the state.

Pig farming is a profitable business when done in a scientific manner. Use of locally available feed ingredients will not only help to utilize the local feed ingredients which we consider unutilizable but also will reduce the cost of production. The level of inclusion of different ingredients is much more important because in our traditional system it has been found that when lot of greens/leafy fodders are available we prefer to include nearly 70-80% of it which ultimately result in under nutrition of pigs. Survey shows that under nutrition of pigs is the main cause for poor growth performance, reduced productivity and high mortality rate.

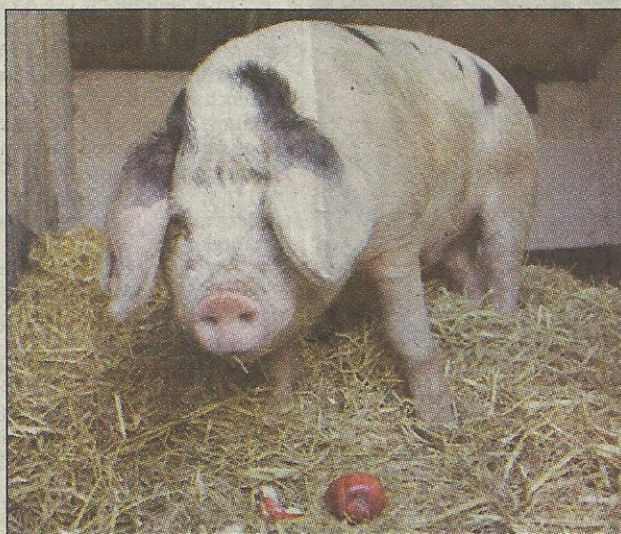
In our state, where the price of concentrate feed required for feeding pigs is soaring high. The need for inclusion of locally available low cost feed ingredients is the need of the hour.

Therefore, an attempt has been made to compile the information of locally available feed materials which can be substituted to minimize the ever increasing cost of production and to maximize profitability.

Substitution of major ingredient of pig ration with locally available feeds:

Major feed ingredient
- Maize Rice polish/wheat bran, Deoiled rice bran, Groundnut cake/Soyabean, Fish meal.

Substituted feed - Sweet potato, Tapioca, Mango ker-



nel, Pineapple waste, Colocasia, Kolmou, Banana, ajar seed, Nahar seed, Water hyacinth; Sweet potato, Colocasia, Tapioca, Banana, tea waste and decaffeinated tea waste, Water hyacinth; Guava pomace, jackfruit waste, Water hyacinth; Mustard oil cake, Til oil cake, Linseed cake, Neem seed cake, cotton seed cake, Cabbage and cauliflower; Silk worm pupae meal.

(Source: AAU, Khanapara.)

It is worth mentioning that the level of inclusion of different feed ingredient in pig ration presented below has been recommended by research works carried by AAU, Khanapara, Guwahati which when applied practically in pig ration can improve the productivity of pigs.

Level of inclusion of different feed ingredients in pig ration:

Name of the ingredients and level of incorporation (%) - Rice bran (10), Rice polish (25-40), Deoiled rice bran (10-20), Banana stem (60), Ripe banana (30-40), Green banana (25), Papaya (20-25), Water hyacinth meal (6), Wa-

ter hyacinth wilted (15), Water hyacinth silage (20-30), Maize (60), Mustard oil cake (10-15), Cabbage (15-30), Cauliflower (15-30), Potato (25), Sweet potato vine (50-60), Tomato pomace (30), Tomato seed (15), Silk worm pupae (6), Sal seed (5-10), Ajar seed (5-10), Nahar seed (10-15), Neem seed (10-15), Linseed (5), Til oil cake (40), Cotton seed meal (5), Tapioca (10-20), Tapioca root (20-30), Factory tea waste (5), Decaffeinated tea waste (10-15), Boiled colocasia (10), Pineapple waste (10), Jackfruit waste (5-10), Dried guava pomace (30), Mango seed kernel (10)

Conclusion: If the following recommendation is adopted, pig farmer can reduce the cost of feeding to almost 40-50% which is otherwise around 70-75% which in return will provide better growth rate, high productivity performance, low mortality rate and higher profitability to the Pig farmers.

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