



MINISTRY OF JIHAD-E-AGRICULTURE

Agricultural Research, Education and Extension Organization
Animal Science Research Institute (ASRI)

Evaluation of the balance of foodstuffs needed for livestock in Sistan and Baluchestan province

Research worker: Hossein Gholami

Abstract:

Animal feed resources in Sistan and Baloochestan province include forage plants, agricultural by- products, rangeland forage and garden forage. Foodstuffs studied in the province include: wheat, barley, corn, alfalfa, clover, corn forage, other forages, sorghum, barley straw, wheat straw, leguminous crops straw, industrial remnants (rapeseed, sesame , The remains of vegetables (tomatoes, potatoes, etc.), the remains of watermelon, cucumber, melons, and garden and pasture forages. To determine the nutritional value of these feedstuffs, reference book "Nutrients table of Iranian feedstuffs "And provincial and national reports and in the absence of information, use international sources such NRC or the feedipedia site, the number of livestock in the province of Sistan & Blouchestan In 2018 were, 1349026 head sheep, 1429080 head goats, 19436 head of dairy cow, 28038 head crossbred cattle, 106224 head of native cow, and about 127304 heads of water buffalo, camels and duonky & horse. And requirents were about 1288274 tons of dry matter, 171666 tons of crude protein and 2430870955 megacalers of metabolizable energy. In Sistan and Baluchestan Province, the shortage of nutrients about 209000 tons of dry matter, About 70000 tons CP and 294 million megacalory metabolizable energy (per year), theoretically, about 209 thousand tons of feedm will be contain About 33 percent of protein and 1.41Mcal of metabolite energy should be supplied. As a result, there is a shortage of feedstuff, including feed and concentrates, energy and crude protein deficiency and the lack of crude protein is very evident. It is suggested that:

1. The special attention should be paid to the quality of feed produced in the province, especially the raw protein.
2. In the area of import of nutrients into the province, attention should be paid to crud protein and be placed at the top of the priorities.

Keywords: Balance of energy and protein, forage, concentrate, Sistan and Baluchestan, livestock