BAJRA

Common Name: Bajra
English Name   : Pearl millet
Botanical Name: *Pennisetum americanum (L)*

Minimum Requirement:

Bajra shall be-

- ∉ dried, mature grains, clean, wholesome, uniform in size, shape and colour characteristic to the variety; and
- ∉ free from living and dead insects, fungus infestation, added colouring matter, obnoxious smell, discolouration, rodent hair and excreta.

Criteria for Range:

S.No	Tradable Parameters	Test Result	Reference range		
			Range-I	Range- II	Range- III
1	Moisture (% by wt)		Upto 12.0	12.1-13.5	13.6-14.0
2	Foreign matter (% by wt)		Upto 0.10	0.11-0.75	0.76-1.0
3	Other edible grains (% by wt)		Upto 1.0	1.1-2.5	2.6-3.0
4	Damaged grains (% by wt)		Upto 0.5	0.6-2.0	2.1-4.0
5	Weevilled grains (% by count)		Upto 1.0	1.1-4.0	4.1-6.0
6	Immature and Shrivelled grains (% by count)		Upto 1.5	1.6-5.0	5.1-8.0
7	Uniformity		More uniform	Slightly less uniform	Less uniform
8	Luster		Normal	Medium	Poor
9	Variety				
10	Packaging material				

Explanations:

a) Foreign matter:-It includes husk, straws, weed seeds, other inedible grains, metallic pieces, sand, gravel, dirt, pebbles, stones, lumps of earth, clay, mud and animal filth etc.

b) "Other Edible grains" means any edible grains (including oil seeds) other than the one which is under consideration;

c) "Damaged grains" means grains that are sprouted or internally damaged as a result of heat, microbe, moisture or weather viz., ergot affected grains and karnal bunt grains;

d) "Immature and shrivelled grains" means grains that are not properly developed;

e) "Weevilled grains" means grains that are partially or wholly bored by insects injurious to grains but does not include germ eaten grains and egg spotted grains.

f) Uniformity means having similar characteristics mainly regarding the size or weight, and colour.

g) "Luster" means the state or quality of Shining by reflecting light, glitter, sparkle, sheen, or gloss.

h) Variety: that differs from others of the same general kind or of the group to which it belongs.

Sampling Plan: (Bags):

5% of the bags will be sampled from the lot.

Sampling Procedure:

Sample should be fully representative of the lots from which they have drawn. Sufficient number of primary samples should be drawn and carefully mixed to make composite samples. Bags for sampling shall be selected at random. Starting from any bag in the lot count them as 1, 2,3 .... etc. upto "**r**" and so on where r is the interregnal part of N/n ("N" being the number of bags in the lot and "n" the number of bags to be selected from the lot). Each bag shall be sampled only once. In case of foodgrains in bulk selection of spots for sampling may be done at random.

All the primary samples drawn from the same lot shall be thoroughly mixed and blended to constitute a homogeneous composite sample to represent the lot. If the composite sample is less than 500 gms, a suitable number of primary samples shall be added so that the composite sample is atleast 500 gms. The samples bag shall contain the following particulars.

1. Name of commodity
2. Quantity whether in bags or in bulk
3. Place and date of sampling
4. Lot number
5. Name of APMC/truck No/warehouse
6. Name of person who sampled