

SCHEDULE-XII

(See rules 4 and 5)

Grade designation and quality of Buckwheat

1. Buckwheat is the dried mature grain obtained from the plant *Fagopyrum esculentum*.
2. Minimum requirements:-
Buckwheat shall be,-
 - (a) dry, clean, wholesome and of uniform size, shape and colour;
 - (b) free from any abnormal taste, flavour and odour;
 - (c) free from poisonous, toxic or obnoxious seeds;
 - (d) free from added coloring matter, rodent hair and excreta, filth, moulds, live and dead insects, insect fragments and fungus.
3. Criteria for grade designation:-

Table

Grade designation	Limit of tolerance (% by weight, maximum)								Weevilled grains (% by count) max	Uric acid (mg/kg) max.	Total aflatoxin (µg/kg) max.
	Moisture	Extraneous matter		Other edible grains	Damaged grains		Immature and shrivelled grains	Grains with husk			
		Organic extraneous matter	Inorganic extraneous matter		Grains with serious defects	Grains with slight defects					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Special	12.0	0.15	0.10	1.0	0.25	3.0	2.0	0.25	1.0	100	15
Standard	13.0	0.50	0.25	1.5	0.5	5.0	3.0	0.50	2.0	100	15
General	13.0	0.75	0.25	2.0	1.0	7.0	5.0	0.75	4.0	100	15

Note: (1) In extraneous matter, the impurities of animal origin shall not be more than 0.10% by weight.

(2) The parameter grains with husk is to be considered for dehulled millet only.

Explanation for the purpose of the Tables:

- (i) Extraneous matter includes inorganic and organic matter. The inorganic matter shall include sand, gravel, dirt, pebbles, stones, glass and metallic pieces, lumps of earth, clay and mud. Organic matter shall include husk, chaff, straw, weed seeds, fragments of bran and other inedible grains.
- (ii) Other edible grains are any edible grains other than the one under consideration.
- (iii) Grains with serious defects are grains in which the cotyledon has been affected or attacked by pests; grains with very slight traces of mould or decay.
- (iv) Grains with slight defects are grains with extensive seed coat staining, without the cotyledon being affected; grains in which the seed coat is wrinkled, with pronounced folding or broken grains.
- (v) Immature and shrivelled grains are kernels or pieces of grain kernels that are not fully developed.
- (vi) Grains with husk are kernels or pieces of kernels carrying husk on one sixteenth or larger portion.
- (vii) Weevilled grains are grain kernels that are partially or wholly bored by insects injurious to grain but do not include germ-eaten grains and egg-spotted grains.
- (viii) Poisonous, toxic and/or obnoxious seeds means any seed which may have damaging or dangerous effect on health, organoleptic properties or technological performance such as dhatura (*D. fastuosa* linn. and *D. stramonium* linn.), corncockle (*Agrostemma githago* L.), Akra (*Vicia* species).

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