COSTS OF BAD PRACTICES



WHY STANDARDS MATTER

Complying with the dry beans standards increases returns for those in the market chain.

- **Farmers** get better prices and reduce post-harvest losses. They can participate in the Warehouse receipt system where they can store the beans until the price improves, and take a bank loan using their beans as surety.
- **Traders** get a reliable supply of quality dry beans that they can sell to their clients. When dry beans conform to the standards, and is available in large quantities, it is easier to sell to high value markets with less risk of the grain being rejected by the buyer.
- **Processors** want a continuous and reliable supply of high quality beans. Complying with the standards reduces waste and ensures that the final product is of high quality and earn a higher price.
- **Consumers** get food that is safe and nutritious to eat.

BENEFITS OF GOOD PRACTICES



ACKNOWLEDGEMENTS

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SEATINI Uganda

of Standards

Federation

Uganda

• The Grain Council of

Uganda National Bureau

Uganda National Chamber

Uganda National Farmers

• USAID Feed the Future

Commodity Production

and Marketing Activity

USAID Feed the Future

Uganda Enabling

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- Afro-KAI Ltd
- Aponye Uganda LtdASKAR General
- Merchandise Ltd • Chemiphar Uganda Ltd
- Eastern Africa Grain Council
- INTERTEK Testing Services (EA) (Pty)
- Kilimo-Trust
- Ministry of Agriculture, Animal Industry & Fisheries
- Ministry of Trade, Industry and Cooperatives
- National Agricultural Advisory Services
- National Agricultural Research Organisation
- Rikolto VECO

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Dry Beans - Best Practices for Improved Nutrition and Incomes:

HANDLE BEANS WITH CARE AND KEEP THEM CLEAN





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Dry Beans - Best Practices for Improved Nutrition and Incomes: Handle Beans with Care and Keep them Clean

GOOD PRACTICES



STANDARD IMPACTED

Organic Matter

inorganic Matter



INORGANIC MATTER:

Inorganic matter is matter other than beans comprising of: metallic pieces, shale, glass, dust, sand, gravel, stones, dirt, pebbles, lumps or earth. clay and mud.

FOREIGN MATTER:

This is all organic and inorganic matter other than dry beans or other food grains. Maximum Limit Grade 1 Grade 2 Grade 3 Characteristic

Foreign matter, % m/m 0.5 0.75 1 Foreign Matter = Organic Matter + Inorganic Matter

PEST DAMAGED BEANS:

Pest damaged beans are dry beans with obvious weevilbored holes or which have evidence of boring or tunneling, indicating the presence of insects, insect webbing or insect refuse; grains chewed in one or more than one part of the grain which exhibit evident traces of an attack by vermin.

	Г		Maximum Lin	nit
Characteristic		Grade 1	Grade 2	Grade 3
Pest damaged bean, % m/m		1	2	3
FILTH:				
Filth are impurities of animal origin for example animal bone fragments, bird excrement and rat droppings.				
	Maximum Limit			1 - 12, pic
Characteristic	Grade 1	Grade 2	Grade 3	
Filth, % m/m	0.1			Filth
BROKEN/SPLIT BEANS:				0-0
These are beans whose cotyledons have been separated				FONS

or one or both of the cotyledons have been broken. Maximum Limit Characteristic Grade 2 Grade 1 Broken/split, % m/m

Grade 3

OTHER CONTAMINANTS:

These are metals such as arsenic, cadmium, lead and mercury which are natural occurring chemical compounds at various levels in the environment e.g. soil, water and atmosphere. Metals can occur as residues in food because of their presence in the environment, as a result of human activities such as farming, industry or car exhausts or from contamination during food processing and storage. People can be exposed to these metals from the environment or by ingesting contaminated food or water. Their accumulation in the body can lead to harmful effects over time.

Heavy metal	Maximum limit for all grades
Lead, mg/kg	0.2
Cadmium, mg/kg	0.1



same store with pesticides/ chemicals