



BUREAU OF INDIAN STANDARDS

Food and Agriculture Department

Program of Work

FAD20 : Agriculture And Food Processing Equipments

Scope : A) Equipment for primary processing operations like cleaning, grading, shelling, washing, polishing, drying and testing for food grains, seeds & horticulture produce. B) Equipment and system for secondary processing like milling, expelling, extraction, crushing of food grains, oil seed & horticulture produce. C) By product handling and processing equipments D) Equipment for value addition to agricultural product and by products including packaging E) Equipment and materials for protected cultivation F) Crop residue utilization

Liaison : ISO TC-376 (P): Machinery intended for use with foodstuffs

Published Standards

Sl. No.	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1.	IS 1511 : 1979	Specification for Blades for Manually - Operated Chaff Cutter (Second Revision)	Feb - 2017	3	
2.	IS 1973 : 1999	Sugarcane Crushers - Specification (Third Revision)	Jun - 2020	-	
3.	IS 4596 : 1968	Glossary of Terms Relating to Oil Expellers	Jun - 2020	-	
4.	IS 5223 : 1993	Oilseeds Milling Machinery - Oil Expellers - Test Code (First Revision)	Jun - 2020	-	
5.	IS 5224 : 1993	Oilseeds Milling Machinery - Oil Expellers Single Barrel - Specification (Second Revision)	Jun - 2020	-	
6.	IS 5718 : 2000	Agricultural Produce Processing Equipment - Seed Cleaners - Test Code (Second Revision)	Jun - 2020	-	
7.	IS 6997 : 1973	Test Code for Sugarcane Crushers	Feb - 2017	-	
8.	IS 7051 : 1973	Specification for Power Maize Shellers	Feb - 2017	-	

Sl. No.	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
9.	IS 7052 : 1973	Test Code for Power Maize Shellers	Feb - 2017	-	
10.	IS 7897 : 1975	Test Code for Chaff Cutter	Feb - 2017	1	
11.	IS 7898 : 2001	Manually - Operated Chaff Cutter - Specification (Second Revision)	Feb - 2017	-	
12.	IS 8108 (Part 1) : 2019	Methods of Test for Grain Dryers : Part 1 Selection and Preparation for Test (Second Revision)	-	-	
13.	IS 8108 (Part 2) : 1984	Test Code for Grain Dryers : Part 2 Method of Tests for Continuous Dryers	Feb - 2017	-	
14.	IS 8108 (Part 3) : 1985	Test Code for Grain Dryers : Part 3 Methods of Tests for In-Silo Dryers	Feb - 2017	-	
15.	IS 8420 : 2000	Grain Dryers - Glossary of Terms (First Revision)	Jun - 2020	-	
16.	IS 8427 : 1989	Agricultural Produce Milling Machinery - Rubber Roll for Paddy Dehusker - Specification (First Revision)	Jun - 2020	2	
17.	IS 8440 : 1977	Test Code for Paddy Cleaners	Jun - 2020	3	
18.	IS 9049 : 1989	Agricultural Produce Milling Machinery - Paddy Dehusker, Rubber Roll Type - Test Code (First Revision)	Jun - 2020	-	
19.	IS 9555 : 1999	Rice Polisher - Specification (Second Revision)	Jun - 2020	-	
20.	IS 9981 : 2020	Agricultural Produce Processing Equipment — Glossary of Terms (Second Revision)	-	-	
21.	IS 10048 : 1999	Rice Grader - Specification (Second Revision)	Jun - 2020	-	
22.	IS 10507 : 1998	Paddy Separator - Specification (First Revision)	Jun - 2020	-	
23.	IS 10520 : 1989	Agricultural Produce Milling Machinery - Emery Stones for Burr Flour Mills - Specification (First Revision)	Jun - 2020	-	
24.	IS 10892 : 1984	Recommendations for Aperture Size of Sieves for Seed Cleaners	Jun - 2020	-	
25.	IS 11032 : 1984	Specification for Rotary Screen - Type Precleaner	Feb - 2017	2	
26.	IS 11041 : 1984	Specification for Air - Screen Seed Cleaner	Jun - 2020	-	
27.	IS 11459 : 1985	Specification for Power - Operated Chaff Cutter	Feb - 2017	1	
28.	IS 11473 : 2002	Groundnut Decorticator - Test Code (First Revision)	Feb - 2017	-	

Sl. No.	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
29.	IS 11787: 1986	Specification for Paddy Dehusker, Rubber Roll Type	Jun - 2020	-	
30.	IS 11834: 1986	Symbols and Flow Diagram for Rice Milling	Jun - 2020	-	
31.	IS 12047: 1987	Specification for Oil Seed Cookers / kettles, Horizontal Type	Jun - 2020	1	
32.	IS 12064: 1987	Code of Practice for Paddy Parboiling	Jun - 2020	1	
33.	IS 12396: 1988	Specification for Paddy Cleaner	Jun - 2020	-	
34.	IS 12411: 1988	Specification for Paddy Dehusker, Centrifugal Type	Jun - 2020	1	
35.	IS 12576: 1989	Seed Processing Machinery - Indented Cylinder Grader - Test Code	Jun - 2020	1	
36.	IS 12792: 1989	Agricultural Produce Milling Machinery - Mini Rice Mill - Specification	Jun - 2020	1	
37.	IS 12833: 1989	Agricultural Produce Milling Machinery - Roller Flour Mills - Flow Diagram	Jun - 2020	-	
38.	IS 13793: 1993	Agricultural Produce Milling Machinery - Milling of Pulses - Flow Diagram	Jun - 2020	1	
39.	IS 13794: 1993	Oilseeds Milling Machinery - Power Ghanies Portable - Specification	Jun - 2020	1	
40.	IS 14442: 1997	Agricultural Produce Milling Machinery - Burr Mill - Test Code	Apr - 2018	-	
41.	IS 14460: 1997	Seed Processing Equipment - Gravity Separator - Specification	Apr - 2018	-	
42.	IS 14603: 1998	Potato Grader - Test Code	Jun - 2020	-	
43.	IS 15542: 2005	Power - Operated Chaff Cutter - Safety Requirements	Jun - 2020	-	
44.	IS 15561: 2005	Sugarcane Crushers - Safety Requirements	Jun - 2020	-	
45.	IS 15827: 2019	Cladding Films for Greenhouse / Polyhouse - Specifications (First Revision)	0	1	
46.	IS 15828: 2009	Design and Construction of Plastic Lined Farm Ponds - Code of Practice	Jun - 2020	-	
47.	IS 15829: 2009	Cassava Chipping Machine - Hand Operated - Specification	Jun - 2020	-	

Sl. No.	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
48.	IS 15830: 2009	Surface Covered Cultivation - Plastics Mulching Laying Machine - Functional Requirements	Jun - 2020	-	
49.	IS 15831: 2009	Grader - Citrus - Size Based	Jun - 2020	-	
50.	IS 15855: 2010	Cotton Seed Delinting Machinery - Surge Bin Machine - Specification	Jun - 2020	-	
51.	IS 15856: 2010	Cotton Seed Delinting Machinery - Pre-Heating Machine - Specification	Jun - 2020	-	
52.	IS 15857: 2009	Cotton Seed Delinting Machinery Mobile - Charging Machine - Specification	Jun - 2020	-	
53.	IS 15858: 2013	Cotton Seed Delinting Machinery - Delinting Machine with Electrical Heating and Hydraulic System - Specification	Apr - 2018	-	
54.	IS 15859: 2013	Cotton Seed Delinting Machinery - Buffing Machine With Air Jet and Nylon Brush - Specification	Apr - 2018	-	
55.	IS 15860: 2013	Cotton Seed Delinting Machinery - Ammonia Cotton Seed Neutralizer Machine With Ammonia Vaporizer - Specification	Apr - 2018	-	
56.	IS 15861: 2013	Cotton Seed Delinting Machinery - Pollution Control System with Scrubber, Cyclone, Chimney, Hoods and Ducting - Specification	Apr - 2018	-	
57.	IS 15862: 2013	Cotton Seed Delinting Machinery - HCL Gas Generation Unit - Specification	Apr - 2018	-	
58.	IS 15863: 2009	Cotton Seed Delinting Machinery - Inclined Flight Belt Conveyor - Specification	Jun - 2020	-	

Standards Under Development

Projects Approved

SI. No.	Doc No	TITLE
1	FAD 20 (17387)	SEEDS AND GRAIN PROCESSING AND STORAGE ENGINEERING- Terminology

Preliminary Draft Standards

SI. No.	Doc No	TITLE
1	FAD 20 (17216)	Mini Dal Mill - Test Method
2	FAD 20 (17388)	SEEDS AND GRAIN PROCESSING AND STORAGE ENGINEERING- Terminology

Drafts Standards in WC Stage

SI. No.	Doc No	TITLE
1	FAD 20 (15457)	Vegetable Cutting Machine
2	FAD 20 (17385)	GRADER - CITRUS - SIZE BASED
3	FAD 20 (17386)	SUGARCANE CRUSHERS SAFETY REQUIREMENTS

Draft Standards Completed WC Stage

SI. No.	Doc No	TITLE
No Records Found		

Finalized Draft Indian Standard

SI. No.	Doc No	TITLE
1	FAD 20 (02349) (11520-2:2001)	Draft Indian Standard - Agricultural grains driers - Determination of drying performance - Part 2 Additional procedures and Crop Specific requirements
2	FAD 20 (02348) (11520-1:1997)	Draft Indian Standard - Agricultural grain driers - Determination of drying performance-Part1:General
3	FAD 20 (02347) (ISO 4252-11:2010)	Draft Indian Standard - Agricultural Machinery -Safety - Part 11- Pick up Balers
4	FAD 20 (02344)	Draft Indian Standard - Oil Expeller (low capacity single screw) - Specification

Finalized Draft Indian Standards under Print

SI. No.	Doc No	TITLE
1	FAD 20 (15968)	Cladding films for greenhouse / polyhouse - Specifications (First Revision) Amendment - 1

Total Published Standards:58 Total Standards Under development : 11

Aspect Wise Report

Product:	33
Code of Practices :	2
Methods of Test :	14
Terminology :	6
Dimensions :	1
System Standard :	0
Safety Standard :	2
Others :	0
Service Specification :	0
Process Specification :	0
Unclassified :	0

Total :58

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No.	TITLE
No Records Found		

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	TITLE
1.	IS 1511 : 1979	Specification for Blades for Manually - Operated Chaff Cutter (Second Revision)
2.	IS 1973 : 1999	Sugarcane Crushers - Specification (Third Revision)
3.	IS 5224 : 1993	Qilseeds Milling Machinery - Oil Expellers Single Barrel - Specification (Second Revision)
4.	IS 7051 : 1973	Specification for Power Maize Shellers
5.	IS 7898 : 2001	Manually - Operated Chaff Cutter - Specification (Second Revision)
6.	IS 8427 : 1989	Agricultural Produce Milling Machinery - Rubber Roll for Paddy Dehusker - Specification (First Revision)
7.	IS 9555 : 1999	Rice Polisher - Specification (Second Revision)
8.	IS 10048 : 1999	Rice Grader - Specification (Second Revision)
9.	IS 10507 : 1998	Paddy Separator - Specification (First Revision)
10.	IS 10520 : 1989	Agricultural Produce Milling Machinery - Emery Stones for Burr Flour Mills - Specification (First Revision)
11.	IS 11032 : 1984	Specification for Rotary Screen - Type Precleaner
12.	IS 11041 : 1984	Specification for Air - Screen Seed Cleaner
13.	IS 11459 : 1985	Specification for Power - Operated Chaff Cutter
14.	IS 11787 : 1986	Specification for Paddy Dehusker, Rubber Roll Type
15.	IS 12047 : 1987	Specification for Oil Seed Cookers / kettles, Horizontal Type
16.	IS 12396 : 1988	Specification for Paddy Cleaner
17.	IS 12411 : 1988	Specification for Paddy Dehusker, Centrifugal Type
18.	IS 12792 : 1989	Agricultural Produce Milling Machinery - Mini Rice Mill - Specification
19.	IS 13794 : 1993	Oilseeds Milling Machinery - Power Ghanies Portable - Specification
20.	IS 14460 : 1997	Seed Processing Equipment - Gravity Separator - Specification
21.	IS 15827 : 2019	Cladding Films for Greenhouse / Polyhouse - Specifications (First Revision)
22.	IS 15829 : 2009	Cassava Chipping Machine - Hand Operated - Specification
23.	IS 15830 : 2009	Surface Covered Cultivation - Plastics Mulching Laying Machine - Functional Requirements
24.	IS 15831 : 2009	Grader - Citrus - Size Based
25.	IS 15855 : 2010	Cotton Seed Delinting Machinery - Surge Bin Machine - Specification
26.	IS 15856 : 2010	Cotton Seed Delinting Machinery - Pre-Heating Machine - Specification

Sl. No.	IS No. & Year	TITLE
27.	IS 15857 : 2009	Cotton Seed Delinting Machinery Mobile - Charging Machine - Specification
28.	IS 15858 : 2013	Cotton Seed Delinting Machinery - Delinting Machine with Electrical Heating and Hydraulic System - Specification
29.	IS 15859 : 2013	Cotton Seed Delinting Machinery - Buffing Machine With Air Jet and Nylon Brush - Specification
30.	IS 15860 : 2013	Cotton Seed Delinting Machinery - Ammonia Cotton Seed Neutralizer Machine With Ammonia Vaporizer - Specification
31.	IS 15861 : 2013	Cotton Seed Delinting Machinery - Pollution Control System with Scrubber, Cyclone, Chimney, Hoods and Ducting - Specification
32.	IS 15862 : 2013	Cotton Seed Delinting Machinery - HCL Gas Generation Unit - Specification
33.	IS 15863 : 2009	Cotton Seed Delinting Machinery - Inclined Flight Belt Conveyor - Specification

Designed, Developed and Maintained by ITSD,BIS, New Delhi