

## SCREEN APERTURE SIZE FOR SEED PROCESSING

S.No.	Crop	Screen aperture size in millimeters	
		Top screen	Bottom screen
1	2	3	4
<b>Cereals</b>			
1.	Barley:		
	2 Rowed	6.50 r	2.30 s
	6 Rowed	6.50 r	2.10s, 2.20 s
2.	Paddy:		
	Coarse grain/ bold type	2.8s, 9.0r	1.85s
	Medium slender	2.8s, 9.0r	1.80s
	Fine/superfine	2.8s, 9.0r	1.70s
3.	Wheat :		
	<i>T. aestivum</i>	6.00 r	1.80 s, 2.10 s, 2.30 s
	<i>T. durum</i>	6.00 r	2.10 s, 2.30 s
4.	Triticale	6.00 r, 7.00 r	2.10 s, 2.30 s
<b>Millets</b>			
1.	Maize except popcorn	10.50 r, 11.00 r	6.40 r, 7.00 r
2.	Popcorn	8.75 r	4.25 r, 4.75 r
3.	Sorghum	4.75 r	2.10 s, 3.50 r
4.	Pearlmillet	3.25 r	1.30 r, 1.30 s, 1.40 r, 1.40 s, 1.60 r, 1.90 r
5.	Barnyard millet	3.25 r	1.40 s, 1.80 r
6.	Common millet	3.80 r	1.60 s
7.	Finger millet	3.25 r	1.40 s
8.	Italian millet	3.25 r	1.20 s, 1.30 r

9.	Kodo millet	3.80 r	1.60 s, 2.00 r
10.	Little millet	2.50 r	1.60 r

### Pulses

1.	Black gram	5.00 r	2.80 s
2.	Bengal gram	9.00 r, 10.00 r	5.00 r, 5.50 r, 6.00 r
3.	Cowpea	7.00 r	3.50 r, 4.00 r
4.	Green gram	5.50 r	2.80 s, 3.20 s
5.	Indian bean (Sem)	8.75 r	4.75 s
6.	Lentil	7.00 r	3.20 s, 4.00 r, 4.75 r
7.	Pigeon pea (Arhar)	9.50 r	3.20 s, 4.00 r, 4.75 r
8.	Rajmash (French bean)	11.0 r	4.75 s

### Oilseeds

1.	Castor	13.50 r	4.40 s, 6.00 r
2.	Rapeseed & Mustard	2.75 r, 3.00 r, 3.25 r	0.90 s, 1.00 s, 1.10 s, 1.40 r
3.	Linseed	4.00 r	2.00 r
4.	Niger	3.20 r	1.20 s
5.	Rocket salad (Taramira)	3.20 r	1.10 s, 1.20 s
6.	Safflower	7.25 r	1.20 s
7.	Sesame	2.40 r	1.60 r, 1.90 r
8.	Soybean	8.00 r	4.00 s
9.	Sunflower	9.00 r	2.40 s

### Fibres

1.	Cotton:		
	Fuzzy	14.30 r	5.20 s
	Delinted	7.20 r	3.90 s
2.	Jute:		
	<i>Capsularis</i>	2.40 r	1.20 r, 1.60 r

	<i>Olitorius</i>	2.00 r	0.80 r, 1.00 r
<b>Forages</b>			
1.	Berseem:		
	Diploid	2.00 r	1.00 s
	Tetraploid	2.40 r	1.20 s
2.	Forage sorghum	4.00 r, 4.75 r	2.10 s
3.	Guar (Cluster bean)	6.00 r	1.80 s
4.	Guineagrass	2.10 r	2.40 x 0.65 m
5.	Indian clover (Senji)	2.10 r	2.40 x 0.80 m
6.	Lucerne	2.50 r	0.70 x, 0.70 x 0.70 m
7.	Oats	7.50 r	2.00 s
8.	Setaria grass	2.40 r	1.90 s
9.	Sudan grass	4.00 r	1.20 s, 1.30 s
<b>Vegetable crops</b>			
<b>Cucurbits</b>			
1.	Ashgourd	9.50 r	6.40 r
2.	Bittergourd	11.00 r	6.50 r
3.	Bottlegourd	11.00 r	6.50 r
4.	Cucumber	8.00 r	2.00 r, 2.50 r
5.	Indian squash	9.50 r	6.40 r
6.	Longmelon	5.00 s	1.00 r
7.	Muskmelon	5.00 s	1.00 r
8.	Pumpkin	11.00 r	6.50 r
9.	Ridgegourd	9.50 r	6.40 r
10.	Snakegourd	9.50 r	6.40 r
11.	Snapmelon	5.00 s	1.00 r
12.	Spongegourd	9.50 r	6.40 r
13.	Summer squash	8.00 r	2.00 r
14.	Watermelon	6.00 r	1.80 s

<b>Fruit Vegetables</b>			
1.	Brinjal	4.00 r	0.80 s, 2.10 r
2.	Capsicum (Sweet pepper)	4.00 r	0.80 s, 2.10 r
3.	Chilli (Hot pepper)	4.00 r	0.80 s, 2.10 r
4.	Okra (Bhindi)	6.00 r	4.30 r
5.	Rat-tail radish	4.50 r	2.00 r
6.	Tomato	4.00 r	0.80 s, 2.10 r
<b>Greens/Leafy Vegetables</b>			
1.	Asparagus	6.00 r	2.40 r
2.	Celerey	1.80 r	0.40 s, 0.64 x 0.64 m
3.	Fenugreek (Methi):		
	Large & Medium	3.25 r	1.20 s
	Small	2.10 r	0.69 x 0.69 m
4.	Lettuce	2.30 r	0.80 r
5.	Parsley	2.75 r	0.75 s
6.	Spinach beet	5.50 r	1.80 s, 1.85 s, 2.25 r
7.	Spinach:		
	Round seeded	5.00 r	2.75 r
	Sharp seeded	8.00 r	2.50 r
8.	Coriander (All varieties)	4.25 r	2.5 s
<b>Cole Crops</b>			
1.	Cabbage	2.75 r	0.90 s
2.	Cauliflower	2.75 r	1.10 s
3.	Broccoli	2.75 r	1.10 s
4.	Chinese cabbage (heading & Non heading)	2.75 r	0.90 s
5.	Knol-kohl	2.75 r	1.10 s
<b>Bulbs crops</b>			
1.	Onion	3.80 r	2.00 r

## SCREEN APPERTURE FOR SEED PROCESSING OF CERTAIN VARIETIES

S.No.	Name of the Crop	Varieties/Hybrids	Recommended BottomScreen Size in millimeter
1.	Sorghum	CSH-1,CSH-5,CSH-6,CSH-9, SPH388, SPV-1359	3.2 r
2.	Cotton	AKA-4, AKA-5, AKA-9	2.8 s
3.	Cotton	DHY-286, AKA-8401, AKA-081, LRA-5166, AKH-84365, NHH-44, PKV Hy-2, PKV Hy-3, Dhan Laxmi	3.2 s
4.	Cotton	Surbhi, RCH-2, RCH-23, MCU-5, MCU-5	3.6 s
5.	Soybean	JS-335, PK-472, MACS-13,MACS-124, MACS-58, PKV-1, CO.1, CO.3, K-851, PKV-416, Soya-Harit	3.6 r
6.	Sunflower	EC-68414, Morden, Surya, PKV SH-27, AKSF-9, PSFH-67, DSH-1, TCSH-2, FSFH-67, F-354RI	2.3 s
7.	Sunflower	CMS-2A, CMS-2B	1.6 s
8.	Sunflower	AK 1-R	1.4 s
9.	Sunflower	TCSH-1, KBSH-44, KBSH-42, KBSH-1	2.5 s
10.	Safflower	Bhima, Tara, Girna, Sharda, N-7	2.4 s
11.	Green gram	Kopargaon, Pusa Vishal, AKM-8803, TARM-2, TARM-18, T-9, K-851, TAP-7	2.8 s
12.	Black gram	T-9, TAU-1, TAU-2, TAU-4, No.55	2.8 s
13.	Chickpea	C-235, HC-1, JAK-9218, AKG-46	3.0 r

## APPENDIX-VIII

## SCREEN APPERTURE FOR SEED PROCESSING OF CERTAIN VARIETIES

S.No.	Name of the Crop	Varieties/Hybrids	Recommended Bottom Screen Size in millimeter
1.	Sorghum	CSH-1, CSH-5, CSH-6, CSH-9, SPH388, SPV-1359	3.2 r
2.	Cotton	AKA-4, AKA-5, AKA-9	2.8 s
3.	Cotton	DHY-286, AKA-8401, AKA-081, LRA-5166, AKH-84365, NHH-44, PKV Hy-2, PKV Hy-3, Dhan Laxmi	3.2 s
4.	Cotton	Surbhi, RCH-2, RCH-23, MCU-5, MCU-5	3.6 s
5.	Soybean	JS-335, PK-472, MACS-13, MACS-124, MACS-58, PKV-1, CO.1, CO.3, K-851, PKV-416, Soya-Harit	3.6 r
6.	Sunflower	EC-68414, Morden, Surya, PKV SH-27, AKSF-9, PSFH-67, DSH-1, TCSH-2, FSFH-67, F-354RI	2.3 s
7.	Sunflower	CMS-2A, CMS-2B	1.6 s
8.	Sunflower	AK 1-R	1.4 s
9.	Sunflower	TCSH-1, KBSH-44, KBSH-42, KBSH-1	2.5 s
10.	Safflower	Bhima, Tara, Girna, Sharda, N-7	2.4 s
11.	Green gram	Kopargaon, Pusa Vishal, AKM-8803, TARM-2, TARM-18, T-9, K-851, TAP-7	2.8 s
12.	Black gram	T-9, TAU-1, TAU-2, TAU-4, No.55	2.8 s
13.	Chickpea	C-235, HC-1, JAK-9218, AKG-46	3.0 r