

Clipper

- Screens vibrate to separate sought after seed from unwanted debris and chaff
- Can be used to clean...
 - Beans
 - Peas
 - Flowers
 - Tobacco



Safety Guidelines for using the Clipper

****PLEASE READ ALL SAFETY GUIDELINES AND OPERATION PROCEDURES PRIOR TO OPERATING EQUIPMENT**

1. **DO NOT** put fingers, hands or any loose object in or near vibrating screens
2. Operator **must** use proper eye and ear protection, and must wear a dust mask

Clipper Operation Procedures

1. Read all safety guidelines
2. Mount feed hopper and air lifting receptacle in position
3. Select and insert proper screens for commodity to be cleaned. Upper screen should be just large enough to allow the good seed to pass through, scalping off large trash. The lower screen should hold up the good seed, sifting out dirt, small weed seeds, shrunken or undersized seeds and other small trash.
4. Remove the slide located just above the spout which discharges to the left when facing the hopper end of the cleaner. This will allow the bottom screen siftings to fall into the spout

5. Open the hopper gate allowing seed to feed into the top screen. Adjust the feed so the good seed falls through the first $\frac{1}{2}$ of this screen.
6. Adjust the blast fan with the three-step pulleys and fan intake shutters to blow out the lightweight trash. A few good seeds should be blown out with the trash.

Cleaning Procedures for the Clipper

**After each use, all parts must be thoroughly blown out with the air compressor and brushed down to avoid seed contamination between plots.

Suggested Screens Sizing for Clipper **

Commodity	Upper Screen	Lower Screen
Alfalfa	1/15, 1/12, 1/14, 5/64	6 x 24, 2 x 22
- Russian Thistle from	3/64 x 5/16, 1/22 x 1/2	6 x 24
- Foxtail from	3/64 x 5/15, 1/22 x 1/2	6 x 24
Alspice, Whole	20	8/64 x 3/4
Anise	12	1/18
Barley	18, 20, or 24	1/13 x 1/2
- Plump	19, 9 x 3/4	5 x 3/4, 6 x 3/4
- Thin	16, 8/64 x 3/4, 18	1/13 x 1/2, 1/14 x 1/2
- Wild Oats from	18, 20, or 24	1/12 x 1/2 or 1/13 x 1/2
Beans		
- Baby Lima	30, 32	19
- Cranberry	30 or 32	16/64 x 3/4
- Great Northern	24 or 26	10/64 x 3/4 or 11/64 x 3/4
- Guar	12, 8/64 x 3/4	1/13 x 1/2
- Kidney Red	30, 26, 28	14/64 x 3/4, 11/64 x 3/4, 9/64 x 3/4, 13/64 x 3/4
- Large Yellow Soy	20 or 21	11/64 x 3/4
- Lima, Baby	32, 30	19
- Lima, Fordhook	64	20, 14 x 3/4
- Lima, General	44	20, 16
- Lima, Henderson Bush	32 to 42	20, 14 x 3/4
- Lima, Large	48, 56	20
- Lima, Red	28, 30	14/64 x 3/4
- Lima, Regular	48, 56	20
- Mung	13, 14	1/8 x 3/4, 8/64 x 3/4
- Navy or Pea	19, 20, 21, 22	9/64 x 3/4, 10/64 x 3/4, 11/64 x 3/4
- Pinto	24 or 26	9/64 x 3/4 or 10/64 x 3/4
- Small Black Soy	16 or 18	6/64 x 3/4 or 7/64 x 3/4
- Soy, Morning Glory from	16 or 17	12
- Velvet	32, 34	9/64 x 3/4, 20/64 x 3/4, 14/64 x 3/4
- Velvet, Osceola	36, 40	13/64 x 3/4, 16/64 x 3/4
- Yellow Eye	24 or 22	11/64 x 3/4 or 12/64 x 3/4
Beet	24, 22, or 20	7, 8, or 9
Beggarweed, hulled	1/12, 1/18, 1/18 x 1/4	6 x 24
Beggarweed, unhulled	14 to 20, 9 x 14	6 x 24
Blueberry	36	11/64 x 3/4
Buckwheat	14, 16	6 x 3/4, 8, 7
Burnett	14, 9/64 x 3/4	1/12
Cabbage	7 or 8	3/64 x 5/16
Cane	10, 12, 11/64	1/14 x 1/2, 1/13 x 1/2
Caraway	1/16 x 1/4	6 x 22
Carrot	7 or 1/12	6 x 28, 6 x 26, 6 x 32

Commodity	Upper Screen	Lower Screen
Celery	1/14 or 1/16	28 x 28
Clover		
- Alsike	1/18, 1/19, 1/20	6 x 30, 6 x 32, or 6 x 34
- Mustard from	3/64 x 5/16	6 x 32
- Night Flowering Catchfly from	6 x 21	6 x 32
- Sorrell from	6 x 22	6 x 32
-Yellow Trefoil from	1/22	6 x 32
- Alyce	1/16, 1/22 x 1/2	6 x 24
- Berseem	1/13, 1/16 x 1/4	6 x 20
- Bur (hulled)	1/12, 1/13	6 x 22
- Button	7, 6, 1/18 x 1/4	6 x 24
- Crimson	5, 6, 1/13	6 x 22
- Dalea or Woods	1/12 or 1/13	6 x 22 or 6 x 23
- Hop	1/25, 22 x 22	6 x 34, 6 x 38
- Hubam Sweet hulled	1/16, 3/64 x 5/16	6 x 24
- Hubam Sweet unhulled	7, 1/14 x 1/4	6 x 24
- Ladino	1/20, 1/21, 1/22	6 x 32
- Lappa	1/16, 3/64 x 5/16	6 x 24
- Persian	1/18, 1/19	6 x 30
- Red	1/14, 1/15, or 1/16, 3/64 x 5/16	6 x 20, 6 x 22, 6 x 24, 6 x 26
- Red Buckhorn from	1/15	6 x 20 or 6 x 21
- Red Dock from	3/64 x 5/16 or 6 x 20	6 x 21
- Red, Hares Ear Mustard From	3/64 x 5/16	6 x 21
- Sour Melilotus Inclica, hulled	1/14, 1/15, 3/64 x 5/16	6 x 24
- Sour Melilotus Inclica, unhulled	1/12, 1/18 x 1/4	6 x 24
- Sub	10	4 x 16
- W.B. Sweet	1/14, 1/15, 1/16, 5, 3/64 x 5/16	6 x 24, 6 x 22, 6 x 21
- W.B Sweet unhulled	5, 6, 7, 8, 1/14 x 1/4	6 x 22, 6 x 24
- White	1/19, 1/20	6 x 32
- White Dutch	1/18, 1/19, or 1/20	6 x 32
- White Dutch, Dock from	6 x 23	6 x 30
Coffee, hulled	22, 24	8/64 x 3/4
Coffee, unhulled	28, 30	8/64 x 3/4
Corinder	13	1/12 x 1/12
Corn, hybrid oblongs	11/64 x 3/4, 12/64 x 3/4, 13/64 x 3/4	14/64 x 3/4, 15/64 x 3/4
Corn, hybrid rounds	16, 17, 18, 20, 22, 24, 25, 26	
Cotton, delinted	18, 20	9/64 x 3/4, 10/64 x 3/4
Cotton, not delinted	32, 36, 40	13/64 x 3/4, 9/64 x 3/4
Crotalaria, General	12, 11	8

Commodity	Upper Screen	Lower Screen
Crotalaria, Giant striata	8, 1/14 x 1/2	6 x 22
Crotalaria, Intermedia	6, 1/15 x 1/2	6 x 20
Crotalaria, Spectabilis	14, 1/12 x 1/2	7 1/2, 8
Cucumber	16, 17	8, 9
Cumin	12	1/22
Dichondra, hulled	1/12, 1/14	6 x 21
Dichondra, unhulled	7, 8	6 x 18
Elderberry	14, 16	7/64 x 3/4, 8/64 x 3/4
Fennel	12	1/14
Fenugreek	11	1/22
Flax		
- Bison	1/16 x 1/4, 1/18 x 1/4, 3 x 16, 9	1/12, 1/13, 1/14, 5/64, 6
- Golden	1/14 x 1/4	1/12 or 6/64
- Mustard from	3/64 x 5/16, 3 x 16, 4 x 18	1/12, 1/13, 1/14, 1/15
- Small	3/64 x 5/16, 3 x 16, 4 x 18, 7, 3 x 18	1/12, 1/13, 1/14
Grasses		
- Alkaligrass	1/18, 22 x 22	45 x 45
- Bahiagrass, ArgenLine	8, 1/16 x 1/2	1/13
- Bahiagrass, Common	9, 1/14 x 1/4	1/15
- Bahiagrass, Pensacola	6, 1/18 x 1/4	1/17
- Bent Grass	26 x 26, 28 x 28, 32 x 32	50 x 50 or 60 x 60
- Bermuda Grass, hulled	1/25, 28 x 28, 32 x 32	6 x 42, 60 x 60
- Bermuda Grass, unhulled	1/18, 6 x 24, 6 x 30	6 x 40, 6 x 38
- Blue Grass		
- Canadian	1/18, 1/20, or 24 x 24	6 x 40
- Kentucky (scalped)	24 x 24, 26 x 26, 6 x 28, or 6 x 30, 1/18, 1/16	6 x 40, 6 x 34, 6 x 32
- Marion, (scalped)	1/15, 1/16, 20 x 20	6 x 40
- Blue Panic	1/19, 17 x 17	6 x 34
- Brome Grass (smooth)	10, 12, 1/13 x 1/2 to 1/16 x 1/2	6 x 24, 9, 6 x 22
- Buffalo Grass	17, 18	1/16 x 1/2
- Canary Grass, Reeds	1/12, 12, 3/64 x 5/16	1/16
- Canary Grass, Moroccan	7, 1/14 x 1/2	1/14, 1/13
- Carpet Grass	1/13, 1/15, 6 x 28, 6 x 22, 6 x 26	6 x 34, 6 x 38, 6 x 40
- Crested Wheat Grass	3 x 14, 3 x 16	4 x 22
- Dallas Grass	7, 8, 3 x 14, 3/64 x 5/16, 4 x 14	1/14, 1/15
- Fescue		
- Creeping Red	1/22 x 1/2, 1/24 x 1/2	6 x 32
- Fall	1/14 x 1/4	4 x 20
- Meadow, Alta, Chewings, or KY 31	1/14 x 1/4, 2 x 11, 3/64 x 5/16, 1/22 x 1/2, 1/16 x 1/4	3/64 x 5/16, 1/22 x 1/2, 6 x 18, 6 x 20, 6 x 26, 6 x 32
- Guineagrass	1/12, 1/18 x 1/4	6 x 28
- Harding grass	1/13, 1/14, 1/22 x 1/2	6 x 26

Commodity	Upper Screen	Lower Screen
- Johnson Grass	8 , 1/13 x 1/2	1/16, 1/22 x 1/2
- Kentucky Bluegrass	1/18, 1/16, 24 x 24, 26 x 26	6 x 40, 6 x 34, 6 x 32
- Love Grass, Boer	1/25, 30 x 30	50 x 50
- Lehman	1/25, 32 x 32	50 x 50, 36 x 36
- Sand	1/20, 1/23, 1/25	6 x 34
- Weeping	1/24, 1/25, 6 x 32	40 x 40, 6 x 40
- Oat grass, Fall	1/14 x 1/2	6 x 28
- Orchard Grass	3 x 16, 3/64 x 5/16, 1/22 x 1/2 (diagonal), 6	6 x 24, 6 x 32, 5 Triangular or 5
- Rescuegrass	16, 12, 1/13 x 1/2 to 7/64 x 3/4	1/18 x 1/4, 9, 10 Triangular
- Rhodesgrass	6, 1/12	6 x 34
- Sudan Grass	10, 1/12 x 1/2	3/64 x 5/16, 3 x 5/16
- Sudan Grass, piper	10, 5.5 /64 x 3/4, 1/12 x 1/2	1/20 x 1/2
- Sudan Grass, sweet	11, 6/64 x 3/4	1/18 x 3/4
- Switchgrass, Blackwell	1/12, 1/14	6 x 22
- Wheatgrass, crested	1/16 x 1/2, 1/18 x 1/4, 4 x 16	6 x 30, 5 Triangular, 6 x 26
- Wheatgrass, Intermediate	1/13 x 1/2, 1/14 x 1/2	6 x 18
- Wheatgrass, Western	1/13 x 1/2, 1/14 x 1/2	6 x 20
Hegari	14	1/12 x 1/2
Hemp	12	1/12 x 1/2
Indigo, Blanket	1/15, 16 x 16	6 x 26
Indigo, Carpet	1/15, 16 x 16	6 x 26
Indigo, Early	1/12, 1/13	6 x 20
Indigo, Hairy	1/12, 1/13, 1/14	6 x 20
Kaffir Corn	12	1/12 x 1/2, 1/14 x 1/4
Kenaf	14, 8/64 x 3/4	6/64 x 3/4, 1/14 x 1/2
Lentils	18, 20, 7/64 x 3/4	10, 12, 15
Lespedeza		
- Bicolor, hulled	7, 1/13 x 1/2	4 x 16
- Bicolor, unhulled	14, 1/12 x 1/2	4 x 16
- Common, hulled	1/14, 3/64 x 5/16	1/18
- Common, unhulled	6, 6 x 15	1/16, 1/15
- Dodder from	6 x 14, 6 x 15, 4 x 16	1/15, 1/16, or 1/17
- Hulled from unhulled	7	1/14 or 1/15
- Korean or Kobe, hulled	6 x 14, 6 x 15, 4 x 16, 6, 7, 8, 9, 1/18 x 3/4, 1/14, 1/15	1/16, 1/17, 1/14, 1/12, 1/18
- Korean or Kobe, unhulled	1/12, 3/64 x 5/16, 6, 6 x 15	1/16
- Sericea, hulled	1/16, 3/64 x 5/16	1/15, 6 x 22, 6 x 26
- Sericia, unhulled	7, 1/18 x 3/4	1/15
Lettuce	4 x 18, 6 x 20	20 x 20, 24 x 24
Lupine, Bitter Yellow	20, 12/64 x 3/4	6/64 x 3/4
Lupine, Blue	21, 24	10/64 x 3/4
Lupine, Sweet Yellow	24, 26	6/64 x 3/4
Lupine, White	20, 22, 13/64 x 3/4	7/64 x 3/4
Maize (US)	12	1/12 x 1/2

Commodity	Upper Screen	Lower Screen
Melon		
- Water	24	16
- Musk	16	9
Milo, Maize	13 or 14	1/12 x 1/2
Millet		
- Browntop	1/14, 1/12	6 x 20
- Cattail	7	3/64 x 5/16, 3/64 x 1/16
- Finch	1/12, 3 x 16	4 x 22
- German	6	3/64 x 5/16
- Pearl or Red	8, 1/12 x 1/2	3 x 16 sp., 3 x 14
- Proso	7, 8, 9	1/18 x 1/4, 3 x 16 sp, 3 x 14
- Siberian	6, 7	1/15 or 1/20
Mustard		
- White	7	3/64 x 5 x 16
- Brown	1/12	1/20
Commodity	Upper Screen	Lower Screen
Oats	24 or 11/64 x 3/4	1/13 x 1/2, 1/14 x 1/2
- Bonda or Rodney	18, 9/64 x 3/4	1/12 x 1/2
- Clinton or Ajax	18, 9/64 x 3/4	1/14 x 1/2
- Corn from	1/8 x 3/4	1/13 x 1/2
- Extra Large	24, 13/64 x 3/4	1/14, 1/2
- Large	24, 11/64 x 3/4	1/14 x 1/2
- MO, 0 – 205	18, 7/64 x 3/4	1/16 x 1/2, 1/18 x 3/4
- Small	18, 9/64 x 3/4	1/14 x 1/2
Okra	14	1/18 x 3/4
Onion	9, 8	1/15, 1/14
Onion Sets	1" square wire	3 x 3
Parsnip	24, 3 x 12	18
Peas		
- Austrian Winter	17, 18	5/32 x 3/4, 10/64 x 3/4
- Blackeye	24, 22, 26	5/32 x 3/4, 11/64 x 3/4
- Blackeye (canning)	32	10/64 x 3/4
- Blackeye (freezing)	30, 32	8/64 x 3/4, 9/64 x 3/4
- Caley or Wild Winter	12, 14	6/64 x 3/4
- Canada Field	20	5/32 x 3/4, 9/64 x 3/4
- Cow, Large	21, 22	5/32 x 3/4, 11/64 x 3/4
- Cow, Medium	16, 18	9/64 x 3/4
- Cow, Small	12, 14	8/64 x 3/4
- Cream	22, 24	10/64 x 3/4
- Early or Alaskan	28, 30	10/64 x 3/4, 11/64 x 3/4
- Garbanzos (chick peas)	26, 30	3/16 x 3/4, 12/64 x 3/4
- Pigeon	23, 24	10/64 x 3/4
- Sweet	30, 32	11/64 x 3/4, 12/64 x 3/4

Commodity	Upper Screen	Lower Screen
Pepper		
- Black	16	7/64 x 3/4
- Red	12	7
Pinion Nuts	30	7/32 x 3/4
Poa bulbosa	7	4 x 22
Popcorn, Pearl	19, 20, 21	11
Psyllium	4 x 18, 6 x 20	6 x 38, 26 x 26
Pumpkin	32, 36	8, 20
Radish	9, 8	1/12, 1/14
Rape		
- Dwarf Essex	1/12	1/22
- German	7	1/16
Red Top	26 x 26, 28 x 28, 30 x 30, 32 x 32	50 x 50, 60 x 60
Red Top, Timothy from	6 x 34, 30 x 30	50 x 50, 60 x 60
Rice		
- Paddy	20, 21, 22	12
- Hulled	12, 14, 18	1/13 x 1/2, 12 x 12
- Unhulled, Long Grain	12, 14, 7/64 x 3/4	1/15 x 1/2, 1/16 x 1/2
- Unhulled, Short Grain	12, 14, 8/64 x 3/4	1/13 x 1/2, 1/14, 1/2
Rye	12, 7/64 x 3/4	1/16 x 1/4, 1/16 x 1/2
- Florida Black	11, 12	3/64 x 5/16
- Grass, English	1/14 x 1/4, 3/64 x 5/16, 1/22 x 1/2, 4 x 19, 1/12	4 x 20, 6 x 32, 5 Triangular, 6 x 34
- Vetch from	7/64 x 3/4	9
Safflower	18, 11/64 x 3/4	1/14 x 1/2, 6/64 x 3/4
Sand Dropseed	1/25, 32 x 32, 6 x 36, 1/22 x 1/2, 4 x 19	45 x 45, 6 x 32, 5
Sanfoin, hulled	9, 4 x 8 1/2	6 x 14
Sanfoin, unhulled	20, 10/64 x 3/4	1/12 x 1/2
Sesame	6, 7, 1/20 x 1/2	1/16, 6 x 24
Sesbania	10, 9, 8	1/16 x 1/4, 1/18 x 3/4
Side-Oats, Grama	1/13, 4 x 24	6 x 60
Sorghum	13	1/12 x 1/2, 1/13 x 1/2
Sorgo, Atlasa	10, 12	1/12 x 1/2
Spinach	11, 12	1/14 x 1/12
Sunflower	22, 24, 32	11
Timothy	1/18 to 1/25, 20 x 20	6 x 34, 6 x 36, or 6 x 38
- Alsike from	1/25	6 x 32
- Black Plantain from	1/19	6 x 34
- Buckhorn from	1/23, 1/24, 1/25	6 x 30, 6 x 32, 6 x 34
- Pepper Grass from	1/19	6 x 32, 6 x 34
- Red Clover from	6 x 26	6 x 34
- Red Top from	1/19	6 x 34
- Sorrel from	1/19 or 1/20	4 x 24 special
Tobacco	30 x 30, 32 x 32	40 x 40, 50 x 50, 6 x 46
Tomato	10	1/12

Commodity	Upper Screen	Lower Screen
Trefoil, Birdsfoot	1/15, 1/16, 3/64 x 5/16	6 x 24, 6 x 25
Trefoil, Yellow or Black Medic, hulled	1/17, 3/64 x 5/16	6 x 24, 6 x 30
Trefoil, Yellow or Black Medic, unhulled	6, 1/18 x 3/4	6 x 30
Turnip	1/12, 1/14	1/20
Vetch, Hairy	12, 14	7/64 x 3/4, 6/64 x 3/4
Vetch, Purple	13, 14	6/64 x 3/4
Wheat	14 or 12	1/13 x 1/2 or 9
- Durum	16, 18, 10/64 x 3/4	6/64 x 3/4, 1/13 x 1/2
- Oats from	11	1/13 x 1/2
- Plump	14, 15, 16, 9/64 x 3/4	5.5/64 x 3/4, 6/64 x 3/4, 5/64 x 3/4
- Thin	12, 14, 8/64 x 3/4	1/13 x 1/2

**According to Seedburo Equipment Company