

THE CLIPPER EDDY-GIANT HULLER AND SCARIFIER

Comparative tests have conclusively proven that the Clipper Eddy-Giant Huller and Scarifier produces a higher degree of scarification with less injury to the seed, than can be accomplished with any other scarifier.

Legumes such as Sweet Clover, Alfalfa, Sericea Lespedeza, Crotalaria, Wild Winter Peas and others contain a large percentage of hard seed. These hard seed, of course, do not germinate quickly after planting because they will not absorb the moisture. To encourage faster germination and a uniform stand, the seed is abraded or scratched — the process known as scarification is a delicate job that should be attempted using only the most precise, professional equipment.

The "secret" of the Eddy-Giant lies in the exclusive Clipper action known as "controlled centrifugal pressure." This concept is in no respect like the seed-damaging "impact principle" employed by lower priced scarifiers.

This unique "centrifugal pressure" function is in effect comparable to rubbing off the thin skin of a peanut between the fore finger and the thumb.

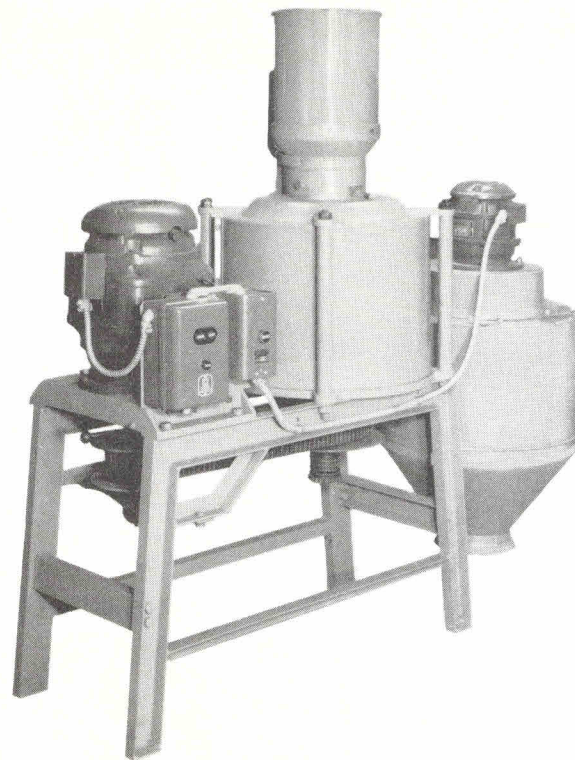
Centrifugal pressure is accomplished using revolving seed-distributing discs which direct the seeds around concave abrasive or rubber rings at a controlled rate. This is fully explained on the reverse page under "operational details." The speed of the discs is continuously adjustable from 500 to 2800 revolutions per minute permitting precise settings for each particular lot of seed.

One set of carborundum concaves is supplied. A set of rubber concaves can be furnished at extra cost adding versatility to the machine.

Many legumes require *hulling only*, others *scarification only*, while some such as Sweet Clover and Sericea Lespedeza have an outer hull which must be removed before scarification requiring *both hulling and scarification*. The following lists a few examples of each category:

Using Rubber Concaves

- Legumes and Grasses hulled but not scarified —
Korean, Kobe, Common and Bi-color Lespedeza and Zoysia Japonica.



Using Carborundum Concaves

- Legumes scarified but not hulled —
Wild Winter Peas, Hairy Indigo, Alfalfa, White Clover, Sub Clover, Suckling Clover and Cluster Clover.

Using Carborundum Concaves

- Legumes hulled and scarified —
Sweet Clover, Sericea Lespedeza, Crown Vetch and Black Medic.

The Eddy-Giant is also effective when used to hull, crush or in effect alter the size or shape of fragile weed or crop seeds so they can be separated by screens. For example lots of Sweet Clover containing as much as fifty percent Foxtail or Pigeon Grass have been made comparatively clean and saleable at regular prices by hulling the Foxtail so it can be screened out of the Clover.

Capacity of the Eddy-Giant is comparable to the output of the large size Clipper Seed Cleaners which means the hull-scarify job will not delay the regular cleaning operation. Actually, the Eddy-Giant speeds up the cleaning of Sweet Clover as it receives the very rough, poorly hulled seed and delivers it to the Cleaner in a good condition so the Cleaner can produce a finished product in one pass. In this case if the Clipper Cleaner were to receive the stock direct it would have to be re-run two or more times without ever getting the same result.

See other side of sheet for additional information

