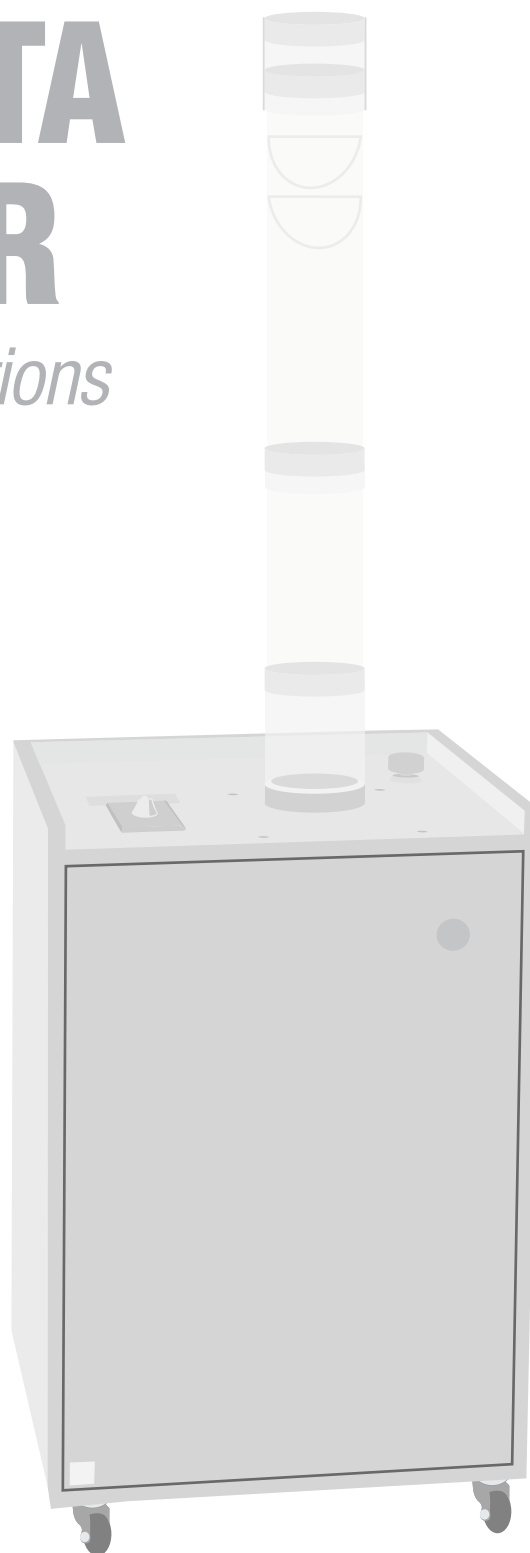




MODEL 757

# SOUTH DAKOTA SEED BLOWER

*General Operation and Instructions*



SEEDBURO EQUIPMENT COMPANY

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## SETUP

To operate the cleaner, close the top valve cap and place seed in the bottom screen section of the plastic air tube. Inspect for stones and large pieces of unwanted material. If they are present, remove them in order to speed up the air cleaning process.

Place the plastic cleaning column on the section containing the sample to be cleaned. If the sample seed is very light and fine, use the 10 inch extension column between the lower screen section and the baffle section. Also, make sure the screen cap is placed on the outlet end of the column.

Check to make sure that all plastic air columns are seated and sealed properly. The screen cap needs to be in place too.

## OPERATION

The Seedblower features a 5-minute analog timer. You may start by turning the timer switch clockwise to desired time. You can customize your cleaning time to your specified sample. If the seed contains a large amount of straw, hulls, etc., this first operation may have to be repeated due to the baffles filling up. Always work with adequate room in the baffled sections to ensure that unwanted particles have been cleaned out of your sample.

After the first separation, the process is repeated using more or less air volume. Observe the separation that is taking place in the plastic air column, until satisfied with the cleaned seed sample. In some cases, the seed itself must be blown into the baffle pockets, while leaving the heavier portion of the sample in the screened seed sample cup. Each sample may present a different cleaning routine. Getting experience with the differences in weight and size of the unwanted materials will speed up the cleaning process. However, the static dust accumulation on the surface of the plastic tubes will increase based on how many separation processes are performed.

Almost any type of seed can be effectively cleaned; by varying the amount of air, adjusting the blowing time, and using the proper size of plastic air cleaning columns.

## SEEDBLOWER VARIATIONS

- The 1½" column model will clean much heavier seeds efficiently. By reducing the air flow, this model may be used to clean most seeds. However, it holds a smaller sample.
- The 3" column model does a very efficient job cleaning both light and heavier seeds in smaller sample sizes, but holds a smaller sample. Determine the type of seed to be cleaned and select the proper air column.
- The 4" column model is for larger seed samples with lightweight seeds, while the 3" column model does a very efficient job cleaning both the lightweight and heavier seeds in smaller sample sizes. Nevertheless, it holds a smaller sample. Depending on the type of seed to be cleaned, then determine the proper size air column.

The blower cabinet has been modified to accept either the standard straight air columns (757-S, 757-M, 757-L) or the removable sample cup with side discharge collection cups (757-RC). The 757 blower cabinet will have four threaded inserts with plastic screws that are used to attach the removable cup

version of the air column (757-RC) to the blower table top. If you are using the South Dakota Seed Blower with the standard air columns, these screws or inserts will not interfere with the standard operation. If you are using the blower table with the removable cup version of the air columns, the holes in the air column base plate will align with these threaded inserts for attachment with the plastic, knurled top screws.

The removable cup version of the air column is available with three different screen mesh sizes: 30 mesh, 50 mesh and 100 mesh located in the base of the sample cup. The size must be specified at the time of ordering, or an additional sample cup with varying size mesh can be ordered. The sample is placed into the removable sample cup and then, inserted into the air column base. The adjustable cap controls the air volume of the flow within the column base. The side collection cups can be emptied after each sample run or after a series of tests have been performed.

## **MAINTENANCE**

Clean the plastic air tubes after each use. Wash with soap and water and allow to dry. Then, apply a spray coat of anti-static liquid to the inside of the surface of the tubes. Keep all screen mesh clean and open to allow free passage of air for efficient seed cleaning.

1. Always start the cleaning operation with the cup closed to avoid accidentally blowing the material into the baffles.
2. Keep the slip joints in the plastic air column sections clean to assure good seating of the joints.
3. Protect the air screens at all times to avoid the possibility of damage or the openings being clogged up.

## **VOLTAGE**

The motors and the times on the Model 757 Seedburo South Dakota Seed Blowers are only able to operate on the voltage and kHz that they have been sold as. They are not able to be changed from 110V/60Hz to 220V/50Hz or vice versa.