

LAB TEST

Product: Hops

Purpose: To remove heavy foreign material from product prior to pelletizing (3/8" x 1/2").

Rate Req'd: 2000 PPH minimum; surges @ 3000 PPH

The first step was running the material as received over the S22 stoner using a #700 deck and with the exhaust hood on the unit.

Run #1 Product 72%
Heavy 25%
Aspirated 3%
700 PPH rate

Run #2 Product 72%
Heavy 21%
Aspirated 7%
855 PPH rate

Exhaust air volume 903 cfm

The next step was to screen the fines on 8 mesh screen cloth using a 1' x 3' Texas Shaker.

The fractions split:
+8m = 49.4%
-8m = 50.6%

The +8m fraction contained all of the defects that requires removal. This fraction was run on the S22 stoner...for a capacity check only.

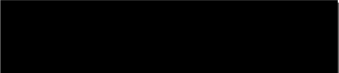
Run #3 provided 370 PPH.

Note that the volume appeared to be limited by a restriction at the connection to the stoner.

The hood was removed and 3 additional runs were made to check capacity on the +8m fraction.

Run 4 560 PPH
Run 5 506 PPH
Run 6 504 PPH

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Conclusion

The stoner performs as expected. It is the right machine for the separation required. The defects can be removed with the same degree of efficiency either screened or not screened.

Some effort was made to determine the amount of dust passed through the cyclone collector and deposited in the bags. There isn't any way to do this with the system as it is presently installed.

