

TRIPLE/S DYNAMICS  
LAB TEST REPORT

CUSTOMER: [REDACTED]

SALES ENGINEER: [REDACTED]

DATE OF TEST: [REDACTED]

OBJECTIVE: Remove mud balls from Garbonzo Beans(Chick Peas) by means of fluidized-bed separation.

PROCEDURE: A S-22H Stoner was equipped with a #80 deck and surge hopper. No exhaust air was used. A series of trial separations was made to determine the best adjustments for the separation. Results of the the most satisfactory trial are as follows.

RESULTS:

S-22H Stoner Separation

<u>Product</u>	<u>Weight(Kgs.)</u>	<u>Percent by Weight</u>
Beans	7.5	90.4
Mud Balls	0.7912	9.4

Note: After the trial mud balls in the beans and beans in the mud balls were hand picked from the products.

Mud Balls in Beans= 0.0143 Kg = 0.18% of product  
Beans in Mud Balls= 0.0048 Kg = 0.57% of product

Deck Slope= 4° Deck Speed= 560 rpm  
Feed Rate= 873 Kg/hr Fluidizing Air= 2,475 CFM  
Bulk Density Beans= 723.7 Kg/M<sup>3</sup>  
Bulk Density Mud Balls= 931.9 Kg/M<sup>3</sup>

Samples have been retained by T/SD for further analysis.