**Result for Internal Spring Planter**

Analyses of variance and means for the data sorted by drum, operator and seed size are presented in three different tables; 1, 2 and 3 respectively. There was no significant difference in the mean values for blanks, singles and doubles for seed size and operator (Table 2 & 3). Mean values for blanks, doubles and singles are statically different (Table 1).

Table 1. Analysis of variance and means for blanks, singles and doubles as influenced by drum cavity. Average values are converted into percentages.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Source of variation | df | Blanks† | Doubles± | Singles¶ |
|  |  | Sig. level | | |
| Drum mark | 2 | 0.0099\*\*\* | <.0001\*\*\* | 0.0004\*\*\* |
|  |  | Means for drum cavity | | |
| B |  | 5 | 40 | 55 |
| R |  | 6.5 | 24.5 | 69 |
| X |  | 9 | 20 | 71 |

\*,\*\*, \*\*\* significant at the 0.1, 0.05, and 0.01 probability levels, respectively

† Number of strikes where no seeds were released

±Number of strikes where 2 seeds were released

¶ Number of strikes where only one seed was released

Drum B = no mark

Drum R =red mark

Drum X = X mark

Table 2. Analysis of variance and means for blanks, singles and doubles as influenced by operator. Average values are converted into percentages.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Source of variation | df | Blanks† | Doubles± | Singles¶ |
|  |  | Sig. level | | |
| Operator | 1 | 0.2963NS | 0.0942\* | 0.4980NS |
|  |  | Means for operator | | |
| Peter |  | 6 | 30 | 64 |
| Sulu |  | 7 | 27 | 66 |

\*,\*\*, \*\*\* significant at the 0.1, 0.05, and 0.01 probability levels, respectively

† Number of strikes where no seeds were released

±Number of strikes where 2 seeds were released

¶ Number of strikes where only one seed was released

Operator 1 = Peter

Operator 2 = Sulu

Table 3. Analysis of variance and means for blanks, singles and doubles as influenced by operator. Average values are converted into percentages.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Source of variation | df | Blanks† | Doubles± | Singles¶ |
|  |  | Sig. level | | |
| Seed size | 2 | 0.8308NS | 0.7000NS | 0.6030NS |
|  |  | Means for seed size | | |
| LR |  | 6.5 | 27.5 | 66 |
| MF |  | 7.5 | 28.5 | 64 |
| MR |  | 6 | 29 | 65 |

\*,\*\*, \*\*\* significant at the 0.1, 0.05, and 0.01 probability levels, respectively

† Number of strikes where no seeds were released

±Number of strikes where 2 seeds were released

¶ Number of strikes where only one seed was released

Seed size LR = Large Round

Seed size MF = Medium Flat

Seed Size MR = Medium Round