

## FIELD EXPERIMENTS 1966

ENS/0243

Serial No. A 3

Stat. File 6 IV

CROP: Sugar Beet

Field 1. 18 Acres

2. Gravel Pit

3.) Heater Piece

4.)

EXPERIMENT: An Examination of three sugar beet varieties  
 pelleted by various processes at four drilling  
 dates

TREATMENTS AND LAYOUT: Randomised block

Bush-Johnson monoplex rubbed and graded 8 $\frac{1}{2}$ -10/64ths

" " " pelleted, Germain

Hillëshog monotri rubbed and graded 8-10/64ths

" " pelleted Germain

" " pelleted Ceres

" " pelleted Knolle

" " pelleted Vagn Tullin

Battles E rubbed and graded 8-10/64ths

pelleted F.M. 619

pelleted Webb's D

Plot Size: Treatment: 2 rows x 25 seeds at 2" spacing

Harvest:

Manuring with dates of :

Date of:

Variety:

|           |            |    |
|-----------|------------|----|
| Drilling: | 23rd March | 1. |
|           | 29th April | 2. |
|           | 19th May   | 3. |
|           | 21st June  | 4. |

|                           |           |    |
|---------------------------|-----------|----|
| Date of Emergence Counts: | 13th May  | 1. |
|                           | 6th June  | 2. |
|                           | 28th June | 3. |
|                           | 6th July  | 4. |

Remark: All varieties not available at all times of hand  
 planting.

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Dibbled Seeds TrialsAn Examination of Seed Pelleted by Various Processes

|                              | Date of hand planting |              |                |                |                |              |
|------------------------------|-----------------------|--------------|----------------|----------------|----------------|--------------|
|                              | 23rd March            |              | 29th April     | 19th May       | 21st June      |              |
|                              | %<br>Emergence        | %<br>Singles | %<br>Emergence | %<br>Emergence | %<br>Emergence | %<br>Singles |
| <u>Bush-Johnson Monoplex</u> |                       |              |                |                |                |              |
| rubbed and graded            | 65.0                  | 91           | 65.0           | 49.6           | 64.5           | 90.3         |
| pelleted (Germain)           | 66.0                  | 93           | 64.0           | 51.6           | 68.5           | 89.8         |
| <u>Hilleshog Monotri</u>     |                       |              |                |                |                |              |
| rubbed and graded            |                       |              | 60.5           | 38.6           | 58.3           | 95.7         |
| pelleted (Germain)           |                       |              | 54.5           | 33.6           | 56.7           | 97.8         |
| pelleted (Ceres)             |                       |              | 52.0           | 31.6           | 56.3           | 96.4         |
| pelleted (Knolle)            |                       |              | 52.0           | 42.6           | 62.3           | 98.0         |
| pelleted (Vagn Tullin)       |                       |              | 65.5           | 37.0           | 56.5           | 97.8         |
| <u>Battles E</u>             |                       |              |                |                |                |              |
| rubbed and graded            |                       |              |                | 56.6           | 72.3           | 68.2         |
| pelleted (F.M. 619)          |                       |              |                | 52.6           | 72.0           | 70.8         |
| pelleted (Webb D)            |                       |              |                | 48.6           | 71.0           | 63.7         |
| S.E. as % G.M.               |                       |              | 24.7           | 16.8           | 11.7           |              |