**BMT PT Reproduction**

Plot: A, B, C, D, **Check**, Exclusion (Circle one)

Germination year 1978

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**Remeasurements**

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**Stake color** Green (1981)

**Horney Form**

June 5, 1981

**ALH - August L. Horney**
**KS - Kathy Seaberg**
**SJ - Sherri Johnson**

**Cause of mortality and other**

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* 1 whole crown, 2 live crown, 3 estimated & measured

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| Total: 47+8 = 55 | 4 Cont'd | 1 whole crown | 2 live crown | 3 estimated | 4 measured |

*Note: 1 whole crown, 2 live crown, 3 estimated, 4 measured*
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| 407 61  | 14.5 8   | 1 1 2     | 4          | 4      | 1.5 4 100 1.5
| 407 7  | 14.2 20  | 2 2 2     | 4          | 4      | 2.5 5 100 3.5 PGr |
| 407 13  | 12.5 29  | 2 2 2     | 4          | 4      | 2.5 3 100 3 |
| 407 4  | 16.6 68  | 13 11     | 5          | 4      | 1.5 3.5 90 1.3 CW |
| 407 64  | 14.6 60  | 3 3 2     | 7          | 7      | 3.5 3.5 0 5
| 407 77  | 11.5 68  | 3 2 1     | 5          | 5      | 3.5 3.5 0 2.3
| 407 78  | 1.7 55   | 6 5 4     | 10         | 10     | 5.0 5.0 0.5
| 407 82  | 13.5 35  | 11 10 9   | 19         | 19     | 5.0 5.0 0.5
| 407 83  | 13.3 36  | 9 8 7     | 15         | 15     | 5.0 5.0 0.5
| 407 84  | 22.5 72  | 5 4 3     | 12         | 12     | 1.7 1.7 0.12
| 407 88  | 34.4 18  | 4 3 2     | 9          | 9      | 2.5 3.0 0.85
| 407 87  | 10.0 45  | 5 4 3     | 12         | 12     | 2.5 2.5 0.85
| 407 89  | 33.3 59  | 4 3 2     | 9          | 9      | 2.5 2.5 0.85
| 407 90  | 43.3 40  | 5 4 3     | 12         | 12     | 2.5 2.5 0.85
| 407 92  | 51.5 62  | 5 4 3     | 12         | 12     | 2.5 2.5 0.85
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Re-measurements: 1981

- Date: 9-25-1981
- Emanations: Gas, Harm NY, Score, Plants
- Seeding(s): 407 64, 407 63, 407 61, 407 7, 407 13, 407 4
- DIA. Ht.:
  - Seeding(s): 407 64, 407 63, 407 61, 407 7, 407 13, 407 4
  - Causes of Mortality and Other:
  - Seeding(s): 407 64, 407 63, 407 61, 407 7, 407 13, 407 4

Overall: 3 out of 13 (23.1%) dead
- Cause of Mortality: None
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- **Measurements:**
  - **First measurements:**
    - 1978
  - **Remeasurements:**
    - 1979
    - 1979-81
    - 1981

- **Cause of mortality:**
  - Alive
  - Dead

- **Location:**
  - 1978
  - 1979

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- Examiners: Not Found
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**Germination year:** 1978

**Plot:** A, B, C, D, E, F

**Enclosure:** Circle one

**Stake color:** Green (1981)

**Re-measurements 1981 #3**

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**Notes:**

- 1978:
- 1979:
- 1978-79:
- 1979-81:

**Temp:**

- 1978:
- 1979:
- 1978-79:
- 1979-81:

**Other:**

- 1978:
- 1979:
- 1978-79:
- 1979-81:

**Variables:**

- Cache No
- Location
- 1978
- 1979
- 1978-79
- 1979-81
- Notes
- Seedlings Total
- Alive Total
- Alive
- Bud
- Bud %
- Bud size
- Cause of mortality and other

**Columns:**

- A
- B
- C
- D
- E
- F
- G
- H

**Rows:**

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- 9
- 10

**Legend:**

- Not Found

**Factors:**

- Temperature
- Humidity
- Light intensity
- Soil moisture

**Observations:**

- Plant growth
- Mortality causes
- Environmental impacts

**Analysis:**

- Data interpretation
- Comparative analysis
- Environmental adaptations

**Conclusion:**

- Growth patterns
- Survival rates
- Ecological significance
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### BMH Pt Reproduction

**Plot:** A, B, C, D (Check), E (Enclosure)  
**Ermination year:** 1978

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**State color:** Green

**Remeasurements 1981 #3**

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- Live crown (L)  
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Rem. 1981 #36

Date: 9-26-1981

Examiners: Harvey, Johnson

Seventy: 10

Alive: 70

Dead: 3

Not found: 7

A check in this column indicates that there were live seedlings in the cache at this date.

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Plot: A, B, C, D, **Black** Enclosure (Circle one) Germination Year 1978
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| Strip | 10 |

| TE = 10 |

| 15 | Whole crown | Live crown | Estimated | Measured |

Plot: A, B, C, D; Check: Enclosure (Dick one)
| Code No | Locality | 1978 | 1979
|---------|----------|------|------
| 157     |          | 162  | 272 |
| 158     |          | 273  | 330  |
| 159     |          | 274  | 407  |
| 160     |          | 275  | 434  |
| 161     |          | 276  | 448  |
| 162     |          | 277  | 451  |
| 163     |          | 278  | 452  |
| 164     |          | 279  | 490  |
| 165     |          | 280  | 604  |
| 166     |          | 281  | 550  |
| 167     |          | 285  | 638  |
| 168     |          | 286  | 688  |
| 169     |          | 289  | 994  |
| 170     |          | 290  | 696  |
| 171     |          | 299  | 957  |
| 172     |          | 737  | 225  |
| 173     |          | 165  | 651  |
| 174     |          | 262  | 328  |
| 175     |          | 264  | 827  |
| 176     |          | 267  | 957  |
| 177     |          | 288  | 958  |

**First measurements**

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**Remeasurements**

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**Stake color** Green (1981)

**Date** Remeasurments 1981 #36

**Examiners**

**Seedlings**

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**Total** 16

- White crown & Live crown estimated & measured
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**First measurement (1978)**
- Total Alive: 70
- Seedlings: 20
- Seedling Alive: 20

**Remeasurements (1981)**
- June 17
- ALM. KS. ST.
- Control

**Cases of mortality and other**
- Alive
- Dead
- Other

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*Note: 1 = whole crown, 2 = live crown, 3 = estimated, 4 = measured*
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**Part 4: A, B, C, D, E, F**

**State Recap**

January 5th, 1989
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| 231 378 | 819 54 10 | 3 | Alive | 3 |
| 232 379 | 860 41 6 | 4 | Alive | 4 |
| 233 381 | 927 50 6 | 4 | Alive | 4 |
| 234 382 | 952 36 12 | 3 | Alive | 3 |
| 235 383 | 956 40 6 | 4 | Alive | 4 |
| 237 384 | 477 14 8 | 5 | Alive | 5 |
| 237 385 | 108 34 4 | Alive | 4 |
| 237 386 | 17 46 | Alive | 4 |
| 237 387 | 20 53 | Alive | 4 |
| 237 388 | 42 75 | Alive | 4 |
| 237 389 | 62 95 | Alive | 4 |
| 237 390 | 16 75 | Alive | 4 |

| Zone 10 | 574 367 | 477 14 8 | 4 | 5 | Alive | Da* | 5 | 5 |
| 573 368 | 17 46 | Alive | 4 |
| 572 369 | 20 53 | Alive | 4 |
| 571 370 | 42 75 | Alive | 4 |
| 570 371 | 62 95 | Alive | 4 |
| 569 372 | 16 75 | Alive | 4 |

| Zone 11 | 573 368 | 477 14 8 | 4 | 5 | Alive | Da* | 5 | 5 |
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| 571 370 | 20 53 | Alive | 4 |
| 570 371 | 42 75 | Alive | 4 |
| 569 372 | 62 95 | Alive | 4 |

| Zone 12 | 573 368 | 477 14 8 | 4 | 5 | Alive | Da* | 5 | 5 |
| 572 369 | 17 46 | Alive | 4 |
| 571 370 | 20 53 | Alive | 4 |
| 570 371 | 42 75 | Alive | 4 |
| 569 372 | 62 95 | Alive | 4 |

Total 1981 = 19

Notes:
1. Whole crown
2. Live crown
3. Estimated
4. Measured

Hornby Farm
June 5, 1981

Plot: A, B, C, D, E, F, G, H, I, J

Germination year 1978

First measurements

Remeasurements

Seedslings

Total Alive

Seedslings

Total Alive

Seedslings

Alive

Seedslings

Alive

Cause of mortality and other
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- Died
- Aborted
- SWP
- Cured
- Gheeted
- Other
- Alive
- Da" H" D" Other
- C" and other
- Live crown
- Dead crown
- Estimated
- Measured

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Rem. = Rem. of Measurements

Date: 1981
Examiners:

Seeding | Cache Crown | Cause of Mortality
---------|-------------|-------------------
Alive | Dead | CW and other

Statistical analysis:

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Notes: "0-Del" = 0 Dead; "0-Dev" = 0 Development; "CWL" = Crown Loss; "CW" = Crown Will; "25" = Whole crown; "4" = Live crown; "D" = Estimated; "M" = Measured.
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Date: June 17, 1981

Examiners: 1981

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**First measurements**

- Seedslings
- Total Alive
- Total Alive

**Remeasurements**

- Seedslings
- Alive
- June 17
- 2-1981
- Cone of Mortality
- Other

---

**Remeasurements 1981**

- Date: 1981
- Examiners: [Names]

- Seedslings
- Alive
- Cone of Mortality

---

**Notes:**

- 539: 34, 6, 5
- Check on this
- Sum of crown class: 17
- Whole crown: 2, Live crown: 3, Estimated: 3, Measured: 2
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**Remeasurements 1981 #57**

Date: 1981

Examiners:

- Seelings
- Cache Crown
- Cases of mortality

- Alive
- "Droll"
- Other

**Strip 15**

- Age 2
- 0-DL
- C-W

**Strip 15A**

- 0-DL
- C-W

**TC 13 + 5 = 18**

* whole crown * live crown * estimated * measured
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Notes: 1 whole crown, 2 less crown, 3 estimated, 4 measured
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**Deaths:**

- Alive
- Dd
- N.F.

**Cases of Mortality and Other:**

- Whole crown
- Live crown
- Estimated
- Measured

**Plot:** A, B, C, D

**Exclorble (Circle One):**

- 1

**Sample color:**

- Green

**Date:**

- 1981

**Form:**

- Hurley Form

**Year:**

- 1978
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| Strip 12 | Avg. | 4 6 | 3 0 | 0-Do | C-W | 3 2 | 2 1 | 14 | 52 | 52 |

Note: Whole crown 1, Live crown 3, Estimated 5 measured.