

Experiment

Silver #2  
Large open  
40 Vials Start 40°F (Not sealed)

| Date    | Time of day | Germ. time (days) | Tips                                                                                                         |      |   | Germination |      |    | No. of days |
|---------|-------------|-------------------|--------------------------------------------------------------------------------------------------------------|------|---|-------------|------|----|-------------|
|         |             |                   | No.                                                                                                          | Cum. | % | No.         | Cum. | %  |             |
| Aug 20  | 3 PM        |                   | Seed into vials 37cc capacity 6 samples<br>Approx 50% of volume is seed<br>Into 40° start Cold Rm Not sealed |      |   |             |      |    |             |
|         |             | Sample ①          | ( 175 )                                                                                                      |      |   |             |      |    | ⑥           |
| Aug 27  | 10 AM       | 0                 | out into 68°F                                                                                                |      |   | 0           | 0    | 0% | ⑦           |
| Sept. 3 | 11 AM       | 7                 | ( 124 )                                                                                                      |      |   | 1           | 1    | 1% |             |

(End)

|        |       |          |         |  |  |   |   |   |   |
|--------|-------|----------|---------|--|--|---|---|---|---|
| Sept 3 | 11 AM | Sample ② | ( 111 ) |  |  | 0 | 0 | 0 | ⑭ |
| 7      | 9 AM  | 4        |         |  |  | 2 | 2 |   |   |
| 14     | 11 AM | 11       |         |  |  | 1 | 3 |   |   |

|         |       |          |              |  |  |   |   |   |   |
|---------|-------|----------|--------------|--|--|---|---|---|---|
| Sept 14 | 11 AM | Sample ③ | ( 160 )      |  |  | 0 | 0 | 0 | ⑳ |
| 24      | 10 AM | 10       | No tips yet. |  |  | 7 | 7 |   |   |

(End)

Experiment *VD* *Viols*

Large open  
Not sealed

| Date                                                                                         | Time of day | Germ. time (days) | No.            | Tips Cum. | %       | Germination No. | Cum. | % | No. of days |
|----------------------------------------------------------------------------------------------|-------------|-------------------|----------------|-----------|---------|-----------------|------|---|-------------|
|                                                                                              |             | Sample (4)        |                | ( 173 )   | ( 109 ) |                 |      |   | (47)        |
| Oct 6                                                                                        | 10AM        | 0                 | Most with tips |           |         | 0               | 0    | 0 |             |
| 7                                                                                            | 10AM        | 1                 |                |           |         | 60              | 60   |   | to 10 mm    |
| 9                                                                                            | 10AM        | 3                 |                |           |         | 40              | 100  |   |             |
| 10                                                                                           | 8AM         | 4 (20)            |                |           |         | 3               | 103  |   |             |
| 11                                                                                           | 9AM         | 5                 |                |           |         | 3               | 106  |   |             |
| 12                                                                                           | 8AM         | 6                 |                |           |         | 1               | 107  |   | 98%         |
| (End)                                                                                        |             |                   |                |           |         |                 |      |   |             |
|                                                                                              |             | Sample (5)        |                | ( 235 )   | ( 209 ) |                 |      |   | (64)        |
| Oct 23                                                                                       | 3PM         | 0                 | Most with tips |           |         | 0               | 0    | 0 |             |
| 25                                                                                           | 9AM         | 2                 |                |           |         | 74              | 74   |   |             |
| 26                                                                                           | 8AM         | 3 (83)            |                |           |         | 78              | 152  |   |             |
| 27                                                                                           | 8AM         | 4                 |                |           |         | 22              | 174  |   |             |
| 30                                                                                           | 11:45       | 7                 |                |           |         | 11              | 185  |   | 88%         |
| Nov 7                                                                                        | 10AM        |                   |                |           |         | 0               | 185  |   | 88%         |
| (End)                                                                                        |             |                   |                |           |         |                 |      |   |             |
| Last                                                                                         |             |                   |                |           |         |                 |      |   |             |
|                                                                                              |             | Sample (6)        |                | ( 210 )   | ( 187 ) |                 |      |   | (95)        |
| Nov 23                                                                                       | 2PM         | 0                 |                |           |         | 101             | 101  |   | to 30 mm    |
| 24                                                                                           | 8AM         | 1                 |                |           |         | 30              | 131  |   |             |
| 25                                                                                           | 7:30AM      | 2                 |                |           |         | 28              | 159  |   |             |
| 26                                                                                           | 7AM         | 3                 |                |           |         | 6               | 165  |   |             |
| 27                                                                                           | 9AM         | 4 (40)            |                |           |         | 5               | 170  |   | 91%         |
| (End)                                                                                        |             |                   |                |           |         |                 |      |   |             |
| Some loss of germination<br>Viability because of restricted<br>space and aeration - probably |             |                   |                |           |         |                 |      |   |             |

Experiment

Finish

Silver #2

Large sealed  
(Sealed)

② Vials start 40°F

| Date   | Time of day | Germ. time (days)                                                                                          | Tips                            |      |   | Germination |      |   | No. of days |
|--------|-------------|------------------------------------------------------------------------------------------------------------|---------------------------------|------|---|-------------|------|---|-------------|
|        |             |                                                                                                            | No.                             | Cum. | % | No.         | Cum. | % |             |
| Aug 20 | 3PM         | Seeds in vials 3xcc capacity 2 Samples<br>Approx 50% of volume = seeds<br>Into 40° strat Cold Rm Wet seeds |                                 |      |   |             |      |   |             |
|        |             | Sample ①                                                                                                   | ( 132 )                         |      |   |             |      |   |             |
| Oct 6  |             | 0                                                                                                          | No tips                         |      |   | 0           | 0    | 0 |             |
| 7      |             | 1                                                                                                          | About 10 tips                   |      |   | 0           | 0    | 0 |             |
| 9      |             | 3                                                                                                          |                                 |      |   | 0           | 0    | 0 |             |
| 10     |             | 4                                                                                                          |                                 |      |   | 0           | 0    | 0 |             |
| 11     |             | 5                                                                                                          |                                 |      |   | 2           | 2    |   |             |
| 12     |             | 6                                                                                                          |                                 |      |   | 5           | 7    |   |             |
|        |             | Sample ② A                                                                                                 | ( 95 )                          |      |   |             |      |   |             |
| Nov 23 | 2PM         | 0                                                                                                          | Act and into 60°F               |      |   | 0           | 0    | 0 |             |
| "      | "           | 0                                                                                                          | A few tips                      |      |   |             |      |   |             |
| 24     | 8AM         | 1                                                                                                          | Prob dead?                      |      |   | 0           | 0    | 0 |             |
| 25     | 7:30A       | 2                                                                                                          |                                 |      |   | 0           | 0    | 0 |             |
| 26     | 7:00A       | 3                                                                                                          |                                 |      |   | 0           | 0    | 0 |             |
| 27     | 8:30A       | 4                                                                                                          |                                 |      |   | 0           | 0    | 0 |             |
| 28     | 8:30A       | 5                                                                                                          | Excised 10 seeds No doubt dead. |      |   | 0           | 0    | 0 |             |
| 29     | 8:45        | 6                                                                                                          | Yes all dead                    |      |   | 0           | 0    | 0 | 0%          |
|        |             |                                                                                                            | (End)                           |      |   |             |      |   |             |
|        |             | Sample ② B                                                                                                 | ( 110 )                         |      |   |             |      |   |             |
| Nov 73 | 2PM         | 0                                                                                                          | Act and into 40° strat          |      |   | 0           | 0    | 0 |             |
|        |             |                                                                                                            | a few tips Back strat           |      |   |             |      |   |             |
| Dec 16 | 1PM         |                                                                                                            | All dead.                       |      |   | 0           | 0    | 0 | 0%          |
| 17     |             |                                                                                                            | " "                             |      |   |             |      |   | (End)       |

Experiment

③ Vials strat 40°F (Sealed)

Silver #2  
Small sealed  
50% vol seeds

| Date<br>1970 | Time<br>of<br>day | Germ.<br>time<br>(days) | No. | Tips |   | Germination | No. | Cum. | % | No.<br>of<br>days |
|--------------|-------------------|-------------------------|-----|------|---|-------------|-----|------|---|-------------------|
|              |                   |                         |     | Cum. | % |             |     |      |   |                   |

Aug 20 3 PM Seeds in 27cc vials and into strat. Wet seeds 8 samples

Aug 27 10 AM Sample ① ( 121 ) 0 0 0 ⑦  
Sept. 3 11 AM 7 ( 120 ) 1 1 19%

(End)

Sept 3 11 AM Sample ② ( 104 ) 0 0 0 ⑭  
7 9 AM 4 5 5  
14 11 0 5

Sept 14 11 AM Sample ③ ( 123 ) 0 0 0 ⑮  
24 10 AM 7 7 6 6

(End)

Experiment

③

Small 50% sealed

| Date        | Time of day   |          | Germ. time (days) | Tips                          |      |   | Germination |      |   | Strat. No. of days |
|-------------|---------------|----------|-------------------|-------------------------------|------|---|-------------|------|---|--------------------|
|             |               |          |                   | No.                           | Cum. | % | No.         | Cum. | % |                    |
| <b>Last</b> | <b>Sample</b> | <b>⑦</b> |                   | ( 147 )                       | ( )  |   |             |      |   |                    |
| Nov 30      |               | out      | 0                 | Total volume vial             |      |   | 22.5        |      |   |                    |
|             |               |          | 1                 | " "                           | air  |   | 15.0        |      |   |                    |
|             |               |          | 2                 | " "                           | seed |   | 7.5         |      |   |                    |
| Nov 30      | 7:30A         |          | 3                 |                               |      |   | 0           | 0    | 0 |                    |
| Dec 1       | 7:00A         |          | 4                 |                               |      |   | 0           | 0    | 0 |                    |
|             | 8:00A         |          | 5                 | No doubt all dead             |      |   | 0           | 0    | 0 |                    |
|             | 8:30A         |          | 6                 | " " " "                       |      |   | 0           | 0    | 0 |                    |
|             | 9:00A         |          | 7                 | All dead                      |      |   | 0           | 0    | 0 |                    |
|             |               | <b>⑧</b> |                   | ( )                           | ( )  |   |             |      |   |                    |
| Nov 30      | 7:30A         | out      | 0                 | Kept sealed and into 68° germ |      |   |             |      |   |                    |
| Dec 4       | 6:30A         |          | 1                 | No germination                |      |   |             |      |   |                    |
|             |               |          | 2                 |                               |      |   |             |      |   |                    |
|             |               |          | 3                 |                               |      |   |             |      |   |                    |
|             |               |          | 4                 |                               |      |   |             |      |   |                    |
|             |               |          | 5                 |                               |      |   |             |      |   |                    |
|             |               |          | 6                 |                               |      |   |             |      |   |                    |
|             |               |          | 7                 |                               |      |   |             |      |   |                    |
|             |               | <b>⑨</b> |                   | ( )                           | ( )  |   |             |      |   |                    |
| Nov 30      | 7:30A         | out      | 0                 | Unsealed and lost @ 40°F      |      |   |             |      |   |                    |
|             |               |          | 1                 |                               |      |   |             |      |   |                    |
|             |               |          | 2                 |                               |      |   |             |      |   |                    |
|             |               |          | 3                 |                               |      |   |             |      |   |                    |
|             |               |          | 4                 |                               |      |   |             |      |   |                    |
|             |               |          | 5                 |                               |      |   |             |      |   |                    |
|             |               |          | 6                 |                               |      |   |             |      |   |                    |
|             |               |          | 7                 |                               |      |   |             |      |   |                    |
|             |               | <b>⑩</b> |                   | ( )                           | ( )  |   |             |      |   |                    |
|             |               | out      | 0                 |                               |      |   |             |      |   |                    |
|             |               |          | 1                 |                               |      |   |             |      |   |                    |
|             |               |          | 2                 |                               |      |   |             |      |   |                    |
|             |               |          | 3                 |                               |      |   |             |      |   |                    |
|             |               |          | 4                 |                               |      |   |             |      |   |                    |
|             |               |          | 5                 |                               |      |   |             |      |   |                    |
|             |               |          | 6                 |                               |      |   |             |      |   |                    |
|             |               |          | 7                 |                               |      |   |             |      |   |                    |

End  
0%

Small 50% sealed.

✓③

| Date                   | Time of day | Germ. time (days) | Tips                                |      |   | Germination |      |   | No. of days         |
|------------------------|-------------|-------------------|-------------------------------------|------|---|-------------|------|---|---------------------|
|                        |             |                   | No.                                 | Cum. | % | No.         | Cum. | % |                     |
| Sample (4) ( 11B ) ( ) |             |                   |                                     |      |   |             |      |   |                     |
| Oct 6                  | 10AM        | 0                 | No tips                             |      |   | 0           | 0    | 0 |                     |
| 7                      | 10AM        | 1                 | " "                                 |      |   | 0           | 0    | 0 |                     |
| 9                      | 10AM        | 3                 |                                     |      |   | 0           | 0    | 0 |                     |
| 10                     | 8AM         | 4                 |                                     |      |   | 2           | 2    |   |                     |
| 11                     | 9AM         | 5                 |                                     |      |   | 1           | 3    |   |                     |
| 12                     | 8AM         | 6                 |                                     |      |   | 0           | 3    |   |                     |
| (End)                  |             |                   |                                     |      |   |             |      |   |                     |
| Sample (5A) ( 82 ) ( ) |             |                   |                                     |      |   |             |      |   |                     |
| Nov 23                 | 2PM         | 0                 | Into 68°F                           |      |   |             |      |   |                     |
|                        |             |                   | A few tips                          |      |   |             |      |   |                     |
| " 24                   | 8AM         | 1                 | " "                                 |      |   | 0           | 0    | 0 |                     |
| 25                     | 7:30A       | 2                 |                                     |      |   | 0           | 0    | 0 |                     |
| 26                     | 7:30A       | 3                 | Prob dead.                          |      |   | 0           | 0    | 0 |                     |
| 27                     | 8:30A       | 4                 | "                                   |      |   | 0           | 0    | 0 |                     |
| 28                     | 8:30A       | 5                 |                                     |      |   | 0           | 0    | 0 |                     |
| 29                     | 7:30A       | 6                 | Yes all dead                        |      |   | 0           | 0    | 0 |                     |
| (End) 0%               |             |                   |                                     |      |   |             |      |   |                     |
| Sample (6B) ( ) ( )    |             |                   |                                     |      |   |             |      |   |                     |
| Nov 23                 | 2PM         | 0                 | Into 68°F                           |      |   |             |      |   |                     |
| " 24                   | 8AM         |                   | <del>Back start @ 40°F (open)</del> |      |   | 0           | 0    | 0 |                     |
| Dec 16                 | 1PM         |                   | <del>out start</del>                |      |   | 7           | 7    |   | to 6 m in 1st start |
| 17                     | 11AM        |                   | leak.                               |      |   | 2           | 9    |   |                     |
| (7)                    |             |                   |                                     |      |   |             |      |   |                     |
| Dec 4                  | 8AM         |                   | Into 68°F sealed                    |      |   |             |      |   |                     |
| 22                     |             |                   | Unsealed                            |      |   |             |      |   | No germ apparent    |
| 23                     |             |                   | Seal all dead                       |      |   |             |      |   | " "                 |
| 24                     |             |                   | " " " Thrown away                   |      |   |             |      |   |                     |
| (End)                  |             |                   |                                     |      |   |             |      |   |                     |

Experiment (4) Vials Start 40°F (Sealed)

Silver #2  
Small sealed  
100% veg seeds  
(Sealed)

| Date    | Time of day | Germ. time (days) | Tips                                             |      |   | Germination |      |     | No. of days |
|---------|-------------|-------------------|--------------------------------------------------|------|---|-------------|------|-----|-------------|
|         |             |                   | No.                                              | Cum. | % | No.         | Cum. | %   |             |
| Aug 20  | 3 PM        |                   | Seeds into 22 cc vials and into strat. Wet seeds |      |   |             |      |     | 5 samples   |
| Aug 27  | 10 AM       | 0                 | ( 145 )                                          |      |   | 0           | 0    | 0   | ( 7 )       |
| Sept 3  | 11 AM       | 7                 | ( 144 )                                          |      |   | 1           | 1    | 10% |             |
| (End)   |             |                   |                                                  |      |   |             |      |     |             |
| Sept 3  | 11 AM       | 0                 | ( 143 )                                          |      |   | 0           | 0    | 0   | ( 14 )      |
| 7       | 9 AM        | 4                 |                                                  |      |   | 8           | 8    |     |             |
| 14      | 11 AM       | 11                |                                                  |      |   | 1           | 9    |     |             |
| (End)   |             |                   |                                                  |      |   |             |      |     |             |
| Sept 14 | 11 AM       | 0                 | ( 127 )                                          |      |   | 0           | 0    | 0   |             |
| 24      | 10 AM       | 10                | ( 5 )                                            |      |   | 3           | 3    |     |             |
| (End)   |             |                   |                                                  |      |   |             |      |     |             |

# Finish

Experiment

V4

Small 100% vol. sealed

| Date          | Time of day | Germ. time (days) | Tips                       |      |   | Germination |      |   | Strat. No. of days |
|---------------|-------------|-------------------|----------------------------|------|---|-------------|------|---|--------------------|
|               |             |                   | No.                        | Cum. | % | No.         | Cum. | % |                    |
| <b>Last →</b> | Sample      | (4)               | ( 210 )                    | ( )  |   |             |      |   | (47)               |
| Oct 6         | 10 AM       | out               | No tips. But possible leak |      |   | 0           | 0    | 0 |                    |
| 7             | 10 AM       | 1                 | 6 or 7 tips                |      |   | 0           | 0    | 0 |                    |
| 9             | 10 AM       | 3                 |                            |      |   | 0           | 0    | 0 |                    |
| 10            | 8 AM        | 4                 |                            |      |   | 3           | 3    |   |                    |
| 11            | 9 AM        | 5                 |                            |      |   | 0           | 3    |   |                    |
| 12            | 9 AM        | 6                 | Back strat                 |      |   | 0           | 3    |   |                    |
| Nov 30        | 8 AM        | 10                | Oct strat Nov 20           |      |   | 130         | 130  |   |                    |
| Dec 1         | 7 AM        | 11                |                            |      |   | 1           | 132  |   |                    |
|               | Sample      | (151)             | ( )                        | ( )  |   |             |      |   |                    |
|               | out         | 0                 |                            |      |   |             |      |   |                    |
|               |             | 1                 |                            |      |   |             |      |   |                    |
|               |             | 2                 |                            |      |   |             |      |   |                    |
|               |             | 3                 |                            |      |   |             |      |   |                    |
|               |             | 4                 |                            |      |   |             |      |   |                    |
|               |             | 5                 |                            |      |   |             |      |   |                    |
|               |             | 6                 |                            |      |   |             |      |   |                    |
|               |             | 7                 |                            |      |   |             |      |   |                    |
|               | Sample      | ( )               | ( )                        | ( )  |   |             |      |   |                    |
|               | out         | 0                 |                            |      |   |             |      |   |                    |
|               |             | 1                 |                            |      |   |             |      |   |                    |
|               |             | 2                 |                            |      |   |             |      |   |                    |
|               |             | 3                 |                            |      |   |             |      |   |                    |
|               |             | 4                 |                            |      |   |             |      |   |                    |
|               |             | 5                 |                            |      |   |             |      |   |                    |
|               |             | 6                 |                            |      |   |             |      |   |                    |
|               |             | 7                 |                            |      |   |             |      |   |                    |
|               | Sample      | ( )               | ( )                        | ( )  |   |             |      |   |                    |
|               | out         | 0                 |                            |      |   |             |      |   |                    |
|               |             | 1                 |                            |      |   |             |      |   |                    |
|               |             | 2                 |                            |      |   |             |      |   |                    |
|               |             | 3                 |                            |      |   |             |      |   |                    |
|               |             | 4                 |                            |      |   |             |      |   |                    |
|               |             | 5                 |                            |      |   |             |      |   |                    |
|               |             | 6                 |                            |      |   |             |      |   |                    |
|               |             | 7                 |                            |      |   |             |      |   |                    |

2%