

Table

| <i>Hylocereus hybrids</i>  |      |          |              |                   |                   |              |            |                |             |              |                |                            |
|--|------|----------|--------------|-------------------|-------------------|--------------|------------|----------------|-------------|--------------|----------------|----------------------------|
|  |      |          | Flower       | Pollen            |                   | Flowers      | Fruit      | Days           |             | Seeds        |                |                            |
| Group  | No.  | Code     | size<br>(cm) | quantity<br>(0-5) | Selfed<br>(% set) | per<br>plant | wt.<br>(g) | to<br>ripening | Pulp<br>(%) | per<br>fruit | Taste<br>(0-5) | Note                       |
| <i>H. polyrhizus</i> (89-028) × <i>H. undatus</i> (89-024)       | 4051 | 03-03    | 29.3         | 4.0               | 0                 | 30.3         | 469        | 32             | 50          | 6097         | 3.1            | Late season yields         |
|  | 4052 | 03-05    | 29.0         | 4.0               | 0                 | 38.3         | 350        | 30             | 61          | 5217         | 3.3            |                            |
|  | 4053 | 04-15    | 30.0         | 4.0               | 0                 | 41.3         | 384        | 30             | 58          | 5946         | 2.9            |                            |
|  | 4054 | 04-25    | 27.7         | 4.5               | 0                 | 29.7         | 410        | 30             | 52          | 5128         | 3.9            |                            |
|  | 4055 | 19-34    | 25.0         | 4.0               | 0                 | 18.7         | 367        | 29             | 61          | 7048         | 3.4            |                            |
|  | 4056 | 34-07    | 25.7         | 4.5               | 0                 | 28.0         | 362        | 30             | 56          | 6900         | 3.5            |                            |
|  | 4057 | 34-15    | 26.5         | 4.5               | 0                 | 15.0         | 290        | 29             | 67          | 6501         | 2.5            |                            |
|  | 4058 | 34-32    | 27.7         | 4.0               | 0                 | 24.0         | 427        | 29             | 66          | 6026         | 4.0            |                            |
|  | 4110 | 34-33    | 26.7         | 4.5               | 0                 | 23.3         | 373        | 29             | 55          | 4079         | 3.4            |                            |
|  | 4198 | 36-01    | 25.5         | 4.0               | 0                 | 13.0         | 355        | 31             | 67          | 6355         | 2.7            |                            |
|  | 4199 | 20-30    | 27.5         | 4.0               | 0                 | 11.0         | 352        | 31             | 67          | 6450         | 3.0            | Late season yields         |
| <i>H. undatus</i> (89-026) × <i>H. polyrhizus</i> (89-028)       | 4063 | 15-01    | 30.0         | 3.5               | 0                 | 36.7         | 196        | 32             | 52          | 1266         | 3.3            |                            |
|  | 4064 | 15-04    | 27.0         | 3.5               | 0                 | 53.3         | 213        | 32             | 57          | 1606         | 3.9            |                            |
|  | 4065 | 15-05    | 26.0         | 4.5               | 0                 | 41.0         | 254        | 29             | 57          | 3256         | 4.6            |                            |
|  | 4066 | 15-08    | 24.0         | 4.0               | 0                 | 17.0         | 260        | 32             | 62          | 4960         | 4.3            |                            |
|  | 4067 | 15-09    | 26.7         | 3.5               | 0                 | 19.0         | 218        | 32             | 66          | 3095         | 2.9            |                            |
|  | 4068 | 15-13    | 27.0         | 2.5               | 0                 | 25.7         | 222        | 31             | 55          | 2082         | 4.1            |                            |
|  | 4069 | 15-20    | 29.3         | 3.0               | 0                 | 29.0         | 233        | 32             | 57          | 1314         | 3.8            |                            |
|  | 4071 | S-096    | 27.7         | 3.0               | 0                 | 49.0         | 161        | 34             | 58          | 1451         | 3.1            |                            |
|  | 4072 | S-098    | 26.5         | 4.0               | 0                 | 29.3         | 272        | 31             | 74          | 3981         | 3.4            |                            |
| <i>H. undatus</i> (89-026) × <i>H. sp.</i> (10-487)              | 4059 | 17-06    | 26.3         | 3.0               | 0                 | 31.3         | 189        | 32             | 53          | 1757         | 4.3            |                            |
|  | 4060 | 17-17    | 25.0         | 2.5               | 0                 | 17.0         | 318        | 33             | 67          | 2856         | 4.5            |                            |
|  | 4061 | 17-27    | 26.3         | 2.5               | 0                 | 14.0         | 203        | 32             | 63          | 2615         | 3.2            |                            |
|  | 4070 | 39-18    | 25.7         | 2.5               | 0                 | 55.0         | 141        | 32             | 54          | 1416         | 3.2            |                            |
|  | 4073 | S-099    | 27.3         | 2.0               | 0                 | 32.3         | 159        | 34             | 53          | 1672         | 3.7            |                            |
| <i>H. undatus</i> (89-026) × <i>H. undatus</i> (87-601)          | 4074 | S-091    | 28.0         | 2.5               | 0                 | 28.7         | 322        | 31             | 61          | 3114         | 3.7            | White pulp                 |
|  | 4075 | S-093    | 27.7         | 2.0               | 0                 | 27.0         | 232        | 31             | 61          | 2106         | 3.7            | White pulp                 |
|  | 4076 | S-094    | 28.3         | 2.0               | 0                 | 21.7         | 204        | 30             | 60          | 2677         | 3.3            | White pulp                 |
| <i>H. undatus</i> (89-026) × <i>H. undatus</i> (89-024)          | 4077 | S-107    | 29.5         | 2.0               | 0                 | 16.7         | 269        | 31             | 54          | 2659         | 3.6            | White pulp                 |
|  | 4085 | 16-02    | 28.0         | 2.0               | 0                 | 16.0         | 372        | 32             | 57          | 2904         | 3.5            | White pulp                 |
|  | 4092 | 16-07    | 28.7         | 2.0               | 0                 | 15.0         | 433        | 32             | 64          | 3930         | 3.1            | White pulp                 |
|  | 4111 | 16-12    | 29.3         | 2.0               | 0                 | 13.5         | 340        | 32             | 70          | 3466         | 3.5            | White pulp                 |
| <i>H. polyrhizus</i> (89-028) × <i>H. undatus</i> (87-601)       | 4050 | J-21     | 29.7         | 4.0               | 0                 | 25.3         | 456        | 30             | 65          | 8582         | 3.5            |                            |
| <i>H. costaricensis</i> (89-023) × <i>H. polyrhizus</i> (89-028) | 4005 | J-99     | 27.0         | 3.0               | 0                 | 34.0         | 211        | 32             | 69          | 3331         | 2.7            |                            |
| <i>H. polyrhizus</i> (89-029) × <i>H. costaricensis</i> (89-023) | 4002 | 96-690   | 27.0         | 4.0               | 0                 | 27.0         | 256        | 30             | 69          | 4161         | 2.4            |                            |
| <i>H. stenopterus</i> × <i>H. undatus</i>                        | 4017 | 71-05-02 | 22.7         | 0.0               | 0                 | 60.7         | 178        | 35             | 59          | 1711         | 3.9            | Magenta flower, white pulp |
| <i>H. undatus</i> (70-11-01) × <i>H. undatus</i> (70-11-02)      | 4024 | 70-11-03 | 25.3         | 3.0               | 0                 | 23.7         | 381        | 30             | 65          | 6807         | 4.3            | Pinky pulp                 |
| <i>H. undatus</i> (70-11-02) × <i>H. undatus</i> (70-11-01)      | 4049 | 70-11-04 | 29.0         | 3.5               | 0                 | 30.7         | 367        | 30             | 62          | 6349         | 4.0            |                            |
| <i>H. undatus</i> (92-053) × <i>H. undatus</i> (89-024)          | 4200 | 36-53    | 25.7         | 4.0               | 0                 | 13.0         | 335        | 31             | 68          | 3876         | 3.6            | Red pulp                   |

4002 **96-690** (4002)

*H. polyrhizus* X *H. costaricensis*  
(89-028) X (89-023)



4005

**J-099 (4005)**

*H. costaricensis* X *H. polyrhizus*  
(89-023) X (89-028)



4017

71-05-02 (4017)

*H. stenopterus* X *H. undatus*



4024

**70-11-03 (4024)**

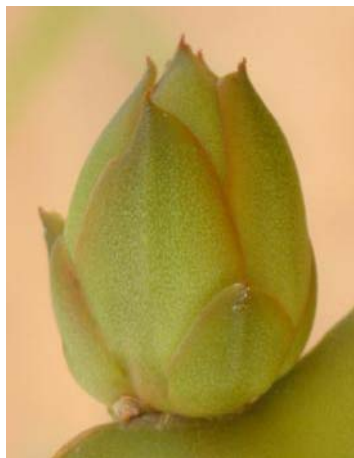
*H. undatus* X *H. undatus*  
(70-11-01) X (70-11-02)



4049

70-11-04 (4049)

*H. undatus* X *H. undatus*  
(70-11-02) X (70-11-01)



4050

**J-021 (4050)**

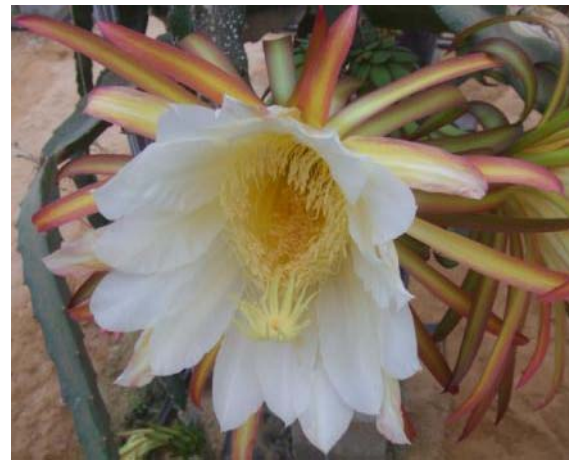
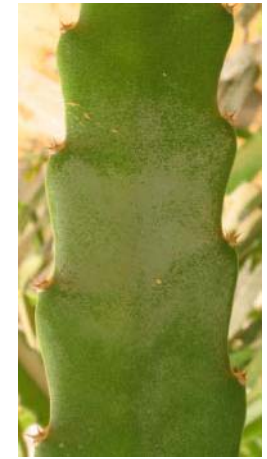
*H. polyrhizus* X *H. undatus*  
(89-028) X (87-601)



4051

**03-03 (4051)**

*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



4052

**03-05 (4052)**

*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



4053

04-15 (4053)

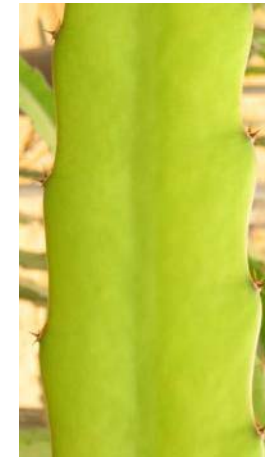
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(89-028) X (89-024)



5054

04-25 (4054)

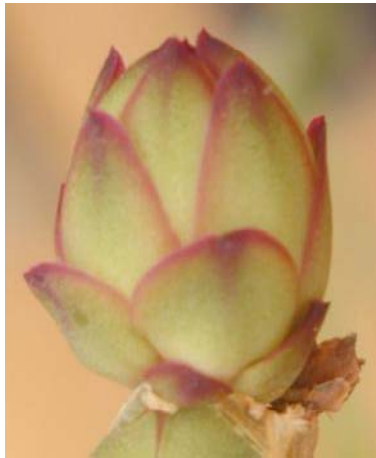
*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



4055

**19-34 (4055)**

*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



4056

**34-07 (4056)**

*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



4057

**34-15 (4057)**

*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



4058

**34-32 (4058)**

*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



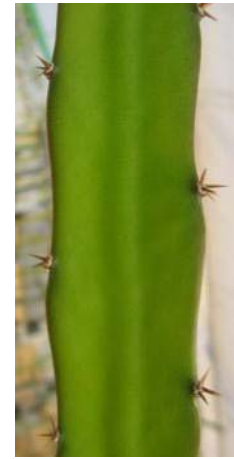
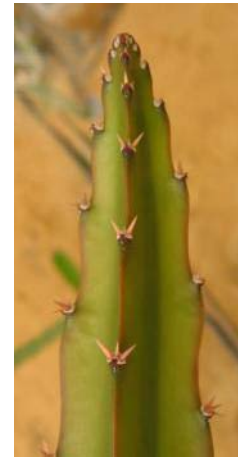
4059

**17-06 (4059)**  
***H. undatus* X *H. sp.***  
**(89-026) X (10-487)**



4060

**17-17 (4060)**  
*H. undatus* X *H. sp.*  
(89-026) X (10-487)



6061

**17-27 (4061)**  
*H. undatus* X *H. sp.*  
(89-026) X (10-487)



4063

**15-01 (4063)**

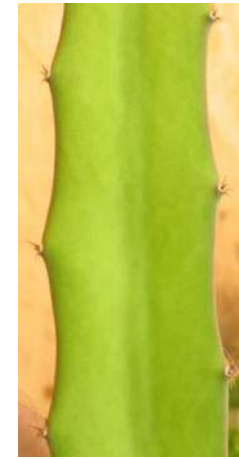
*H. undatus* X *H. polyrhizus*  
(89-026) X (89-028)



4064

**15-04 (4064)**

*H. undatus* X *H. polyrhizus*  
(89-026) X (89-028)



4065

15-05 (4065)

*H. undatus* X *H. polyrhizus*  
(89-026) X (89-028)



4066

**15-08 (4066)**

*H. undatus* X *H. polyrhizus*  
(89-026) X (89-028)



4067

15-09 (4067)

*H. undatus* X *H. polyrhizus*  
(89-026) X (89-028)



4068

**15-13 (4068)**

*H. undatus* X *H. polyrhizus*  
(89-026) X (89-028)



4069

**15-20 (4069)**

*H. undatus* X *H. polyrhizus*  
(89-026) X (89-028)



4070

**39-18 (4070)**

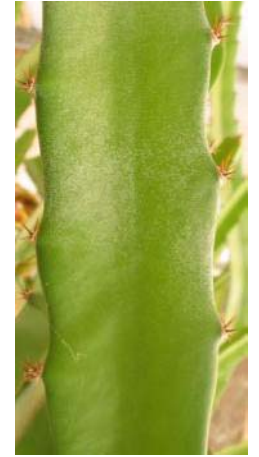
***H. undatus* X *H. sp.*  
(89-026) X (10-487)**



4071

**S-096 (4071)**

*H. undatus* X *H. polyrhizus*  
(89-026) X (89-028)



4072

**S-098 (4072)**

*H. undatus* X *H. polyrhizus*  
(89-026) X (89-028)



4073

**S-099 (4073)**  
*H. undatus* X *H. sp.*  
(89-026) X (10-487)



4074

**S-091 (4074)**

*H. undatus* X *H. undatus*  
(89-026) X (87-601)



4075

**S-093 (4075)**

*H. undatus* X *H. undatus*  
(89-026) X (87-601)



4076

**S-094 (4076)**

*H. undatus* X *H. undatus*  
(89-026) X (87-601)



4077

**S-107 (4077)**

*H. undatus* X *H. undatus*  
(89-026) X (89-024)



4085

**16-02 (4085)**  
*H. undatus* X *H. undatus*  
(89-026) X (89-024)



4092

**16-07 (4092)**

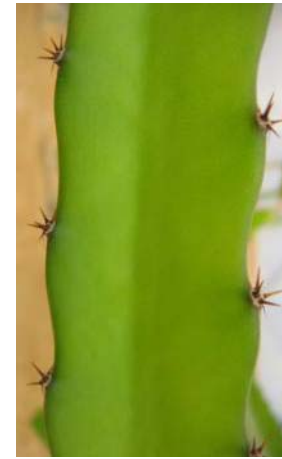
*H. undatus* X *H. undatus*  
(89-026) X (89-024)



4110

**34-33 (4110)**

*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



4111

**16-12 (4111)**

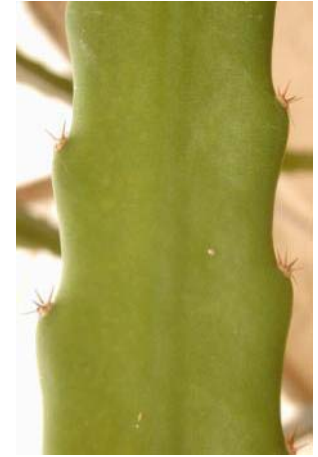
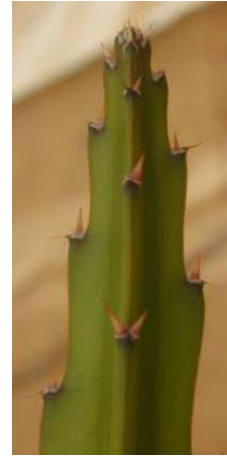
*H. undatus* X *H. undatus*  
(89-026) X (89-024)



4198

**36-01 (4198)**

*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



4199

**20-30 (4199)**

*H. polyrhizus* X *H. undatus*  
(89-028) X (89-024)



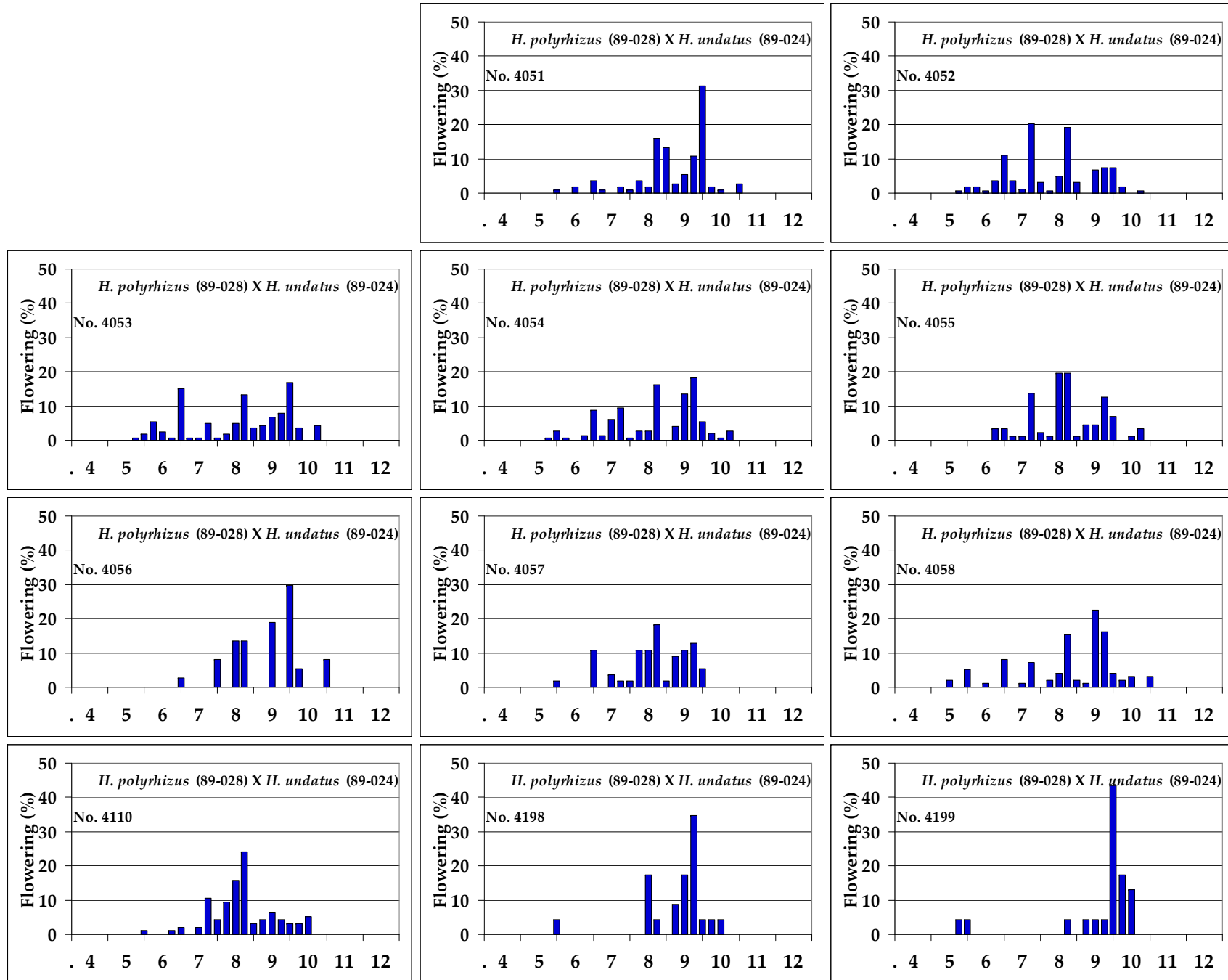
4200

**36-53 (4200)**

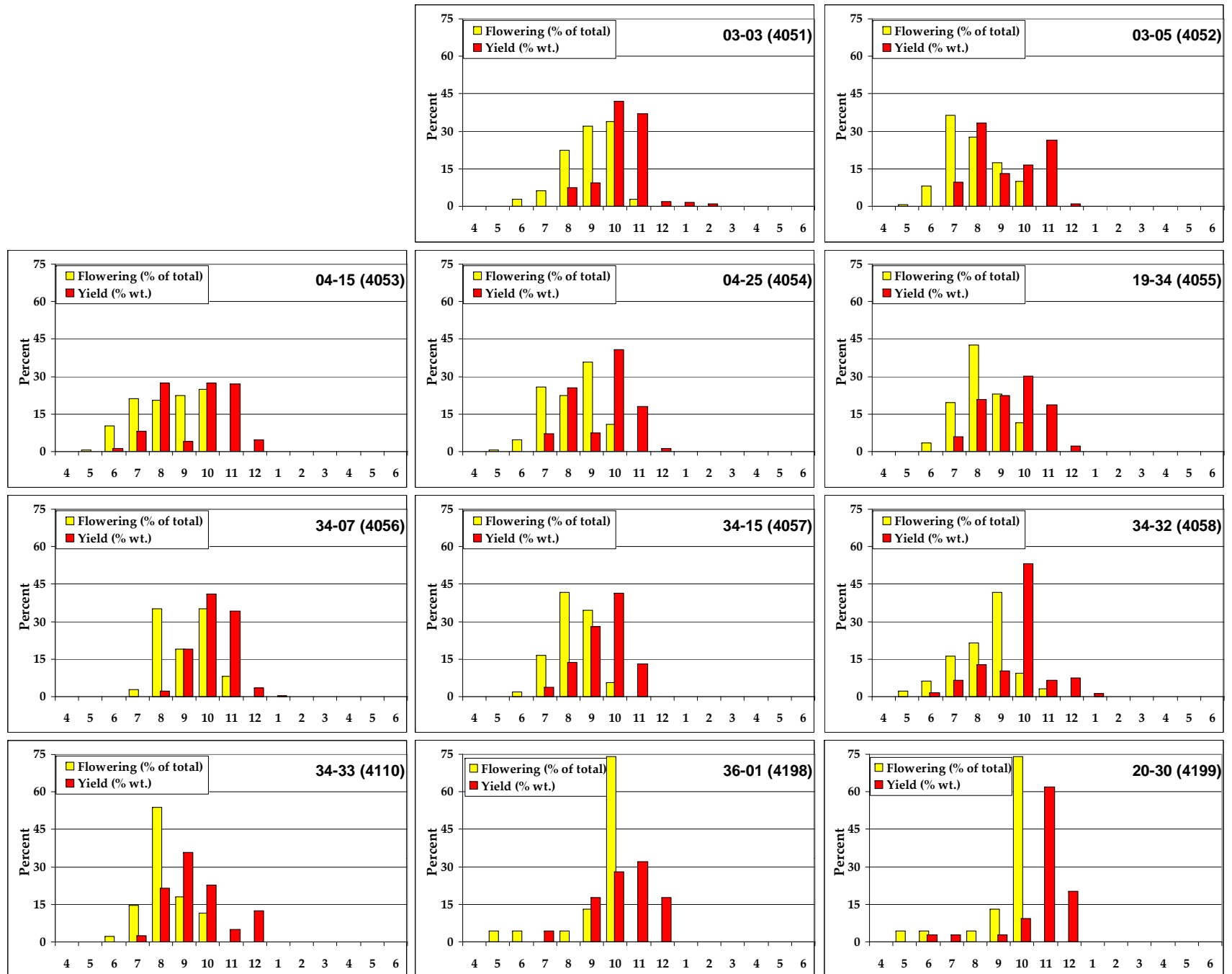
*H. undatus* X *H. undatus*  
(92-053) X (89-024)



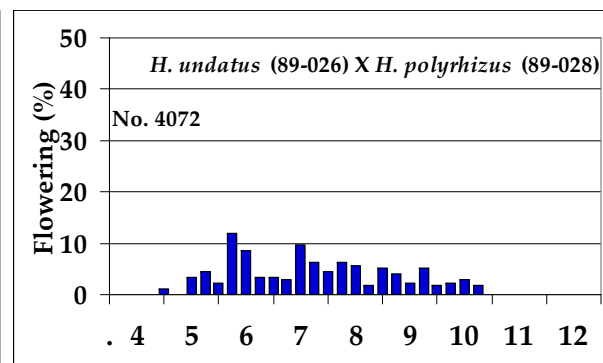
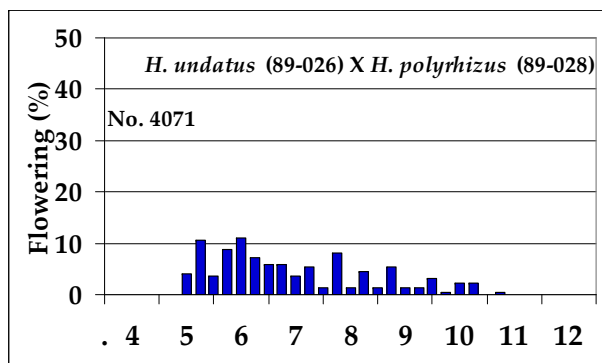
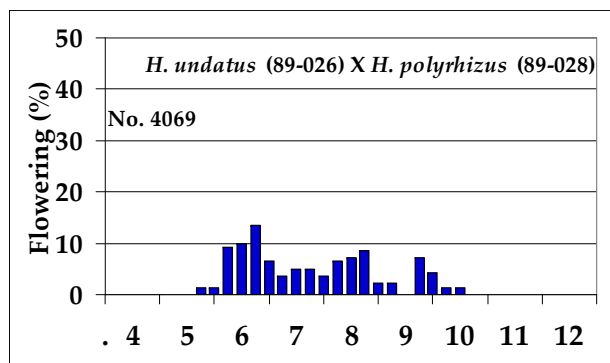
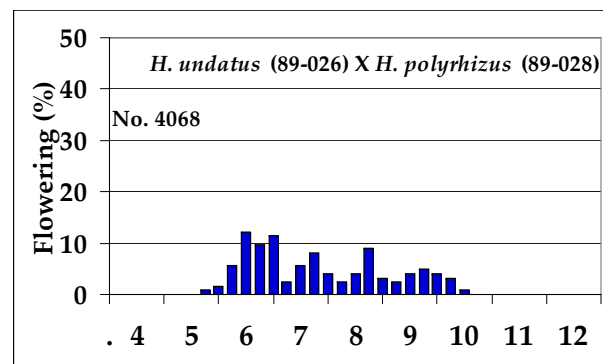
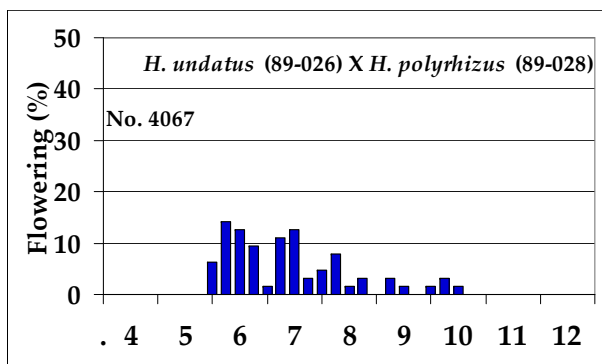
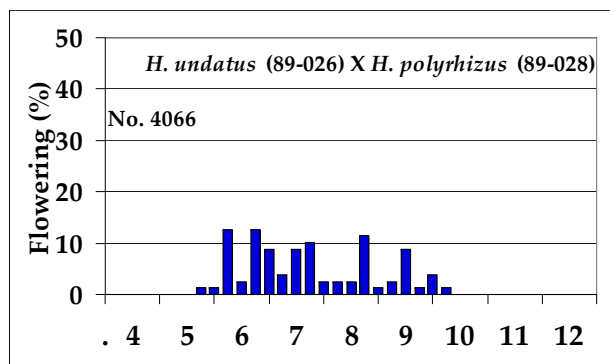
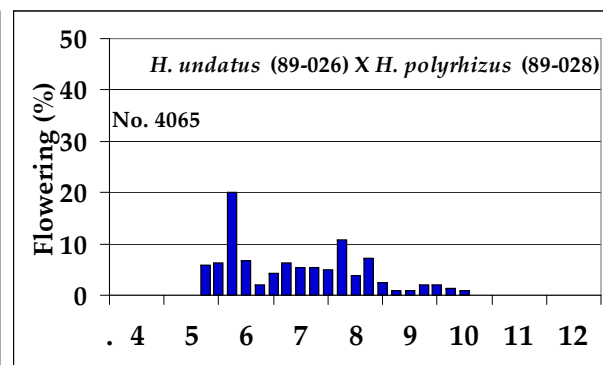
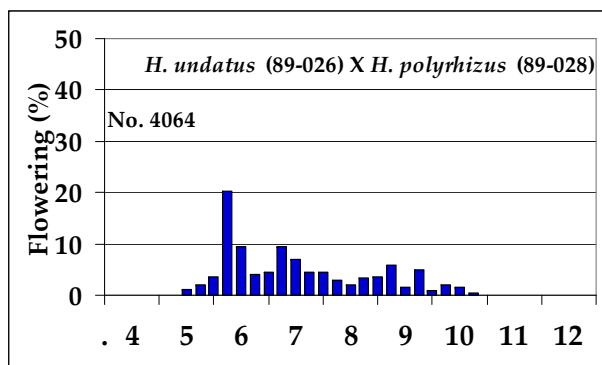
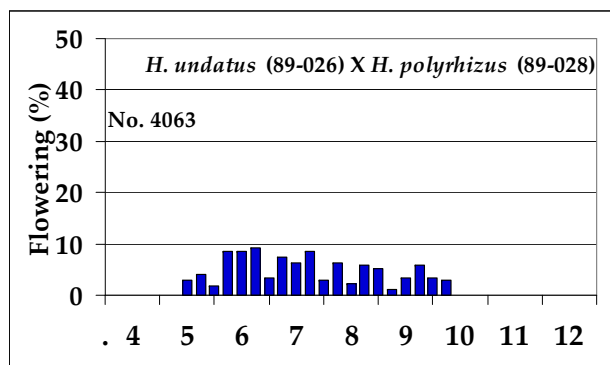
**Fig. Weekly flowering – *H. polyrhizus* (89-028) X *H. undatus* (89-024)**



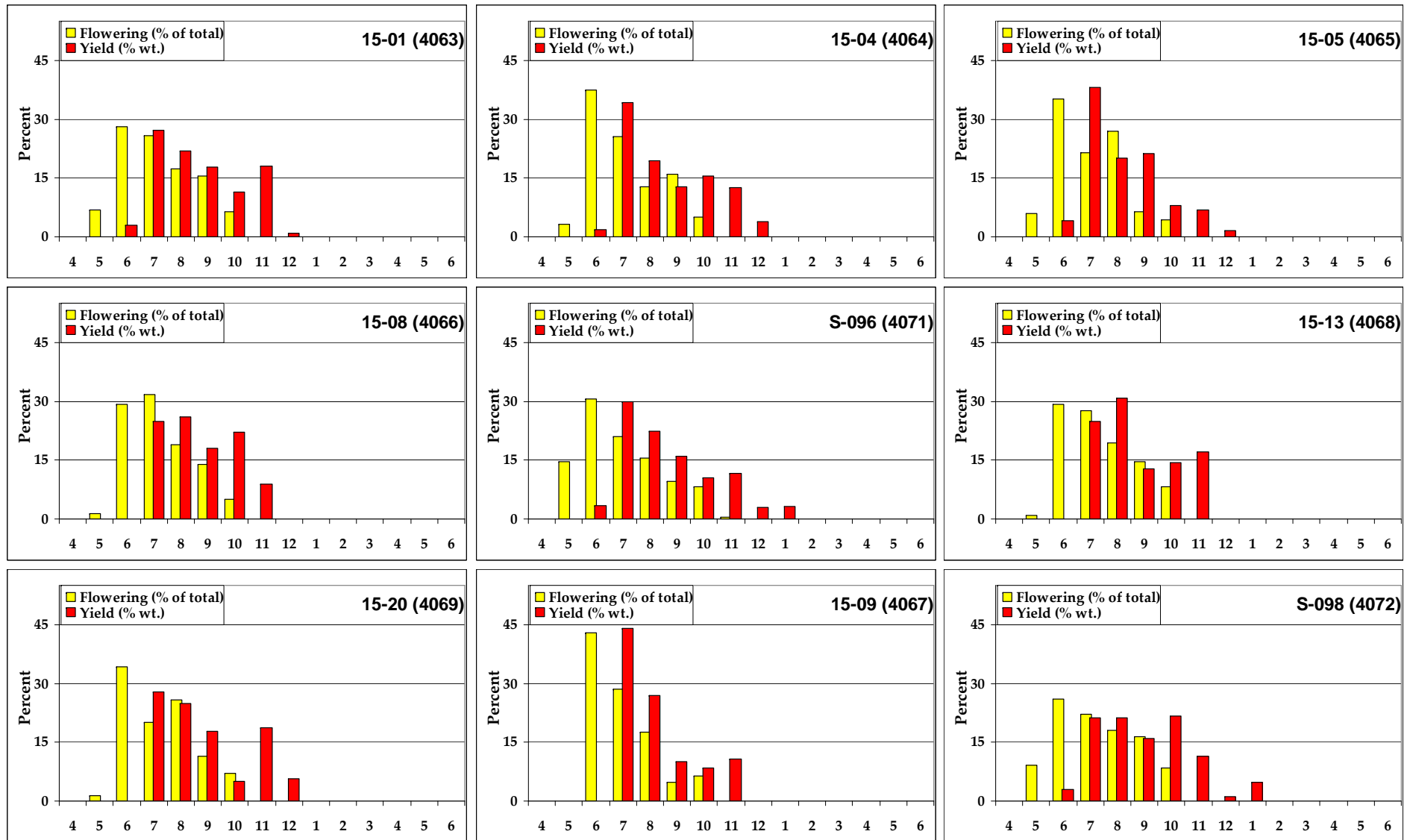
**Fig. Monthly flowering + ripening - *H. polyrhizus* (89-028) X *H. undatus* (89-024)**



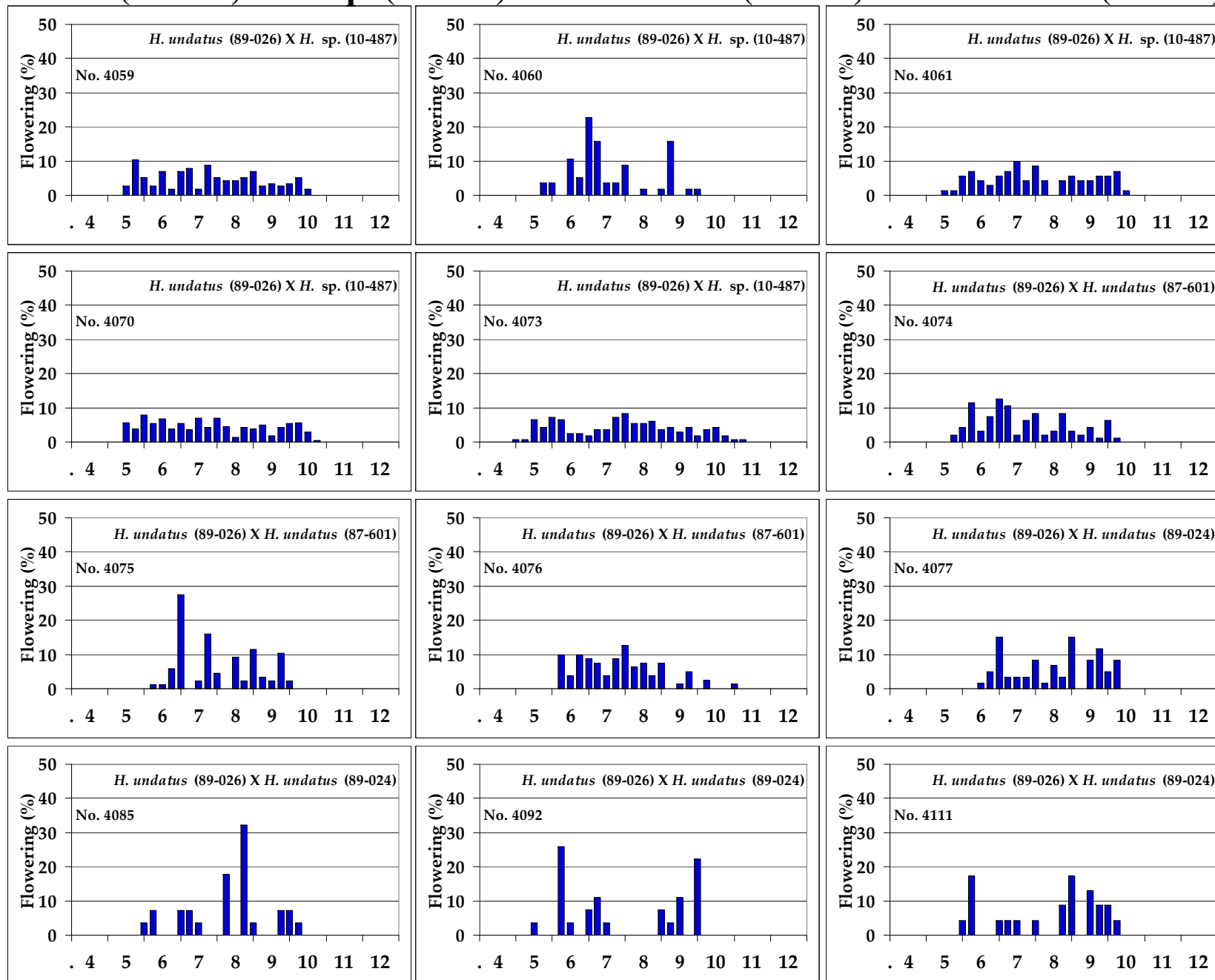
**Fig. Weekly flowering –**  
*H. undatus* (89-026) X *H. polyrhizus* (89-028)



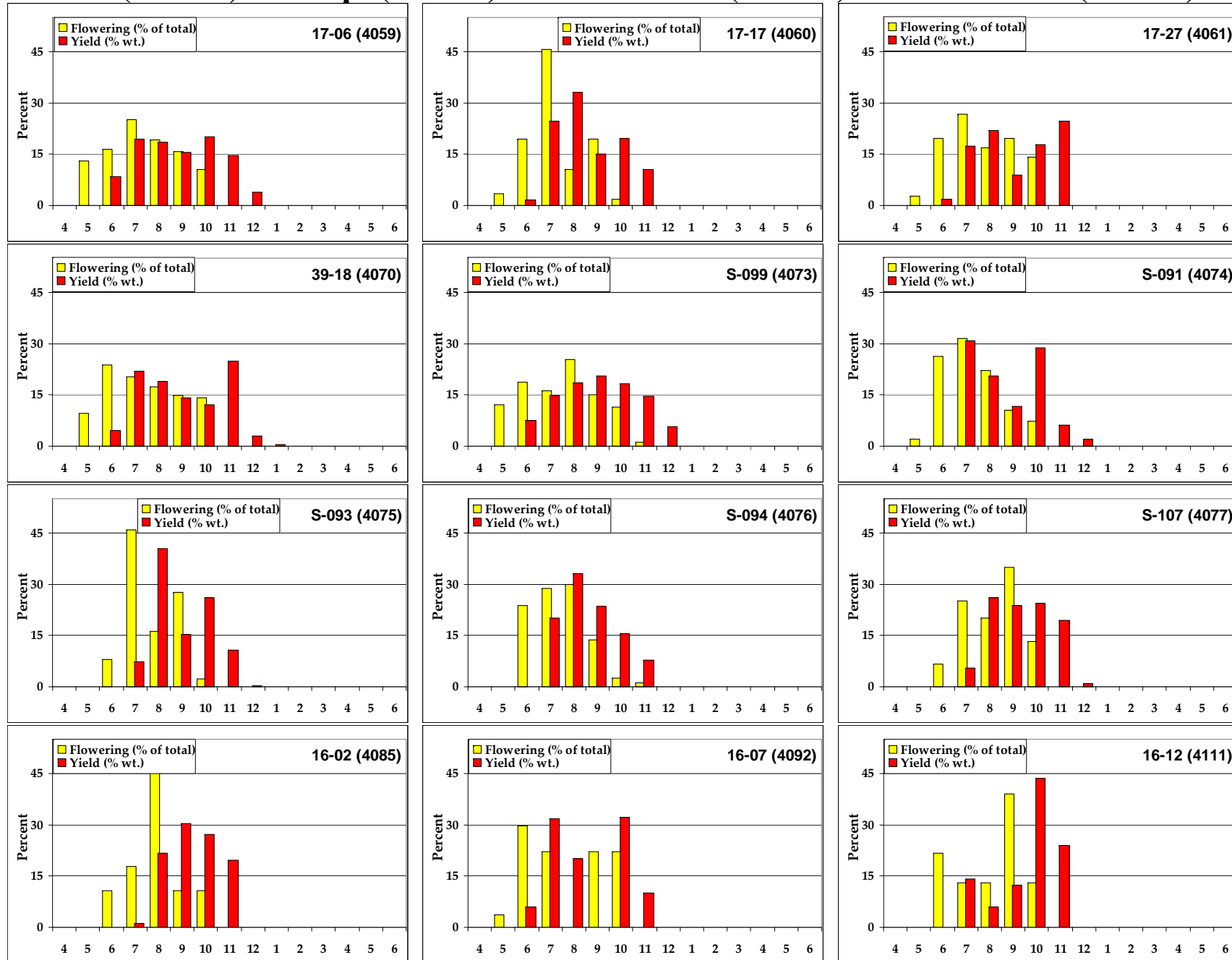
**Fig. Monthly flowering + ripening –  
*H. undatus* (89-026) X *H. polyrhizus* (89-028)**



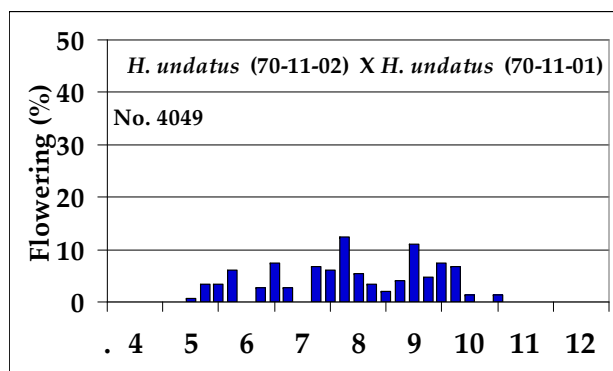
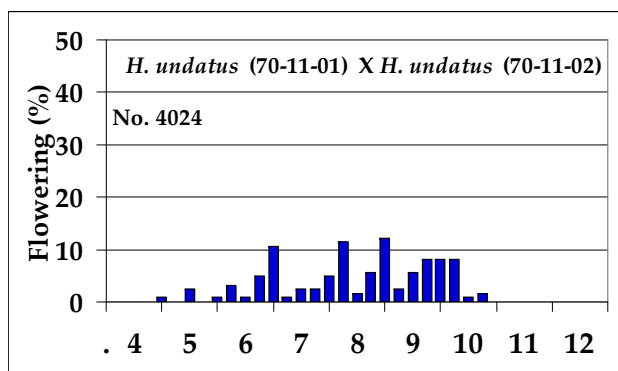
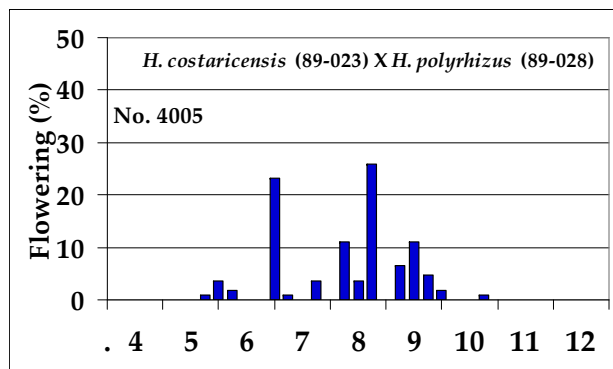
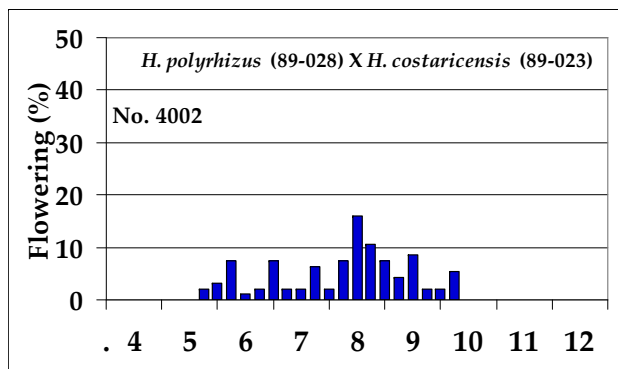
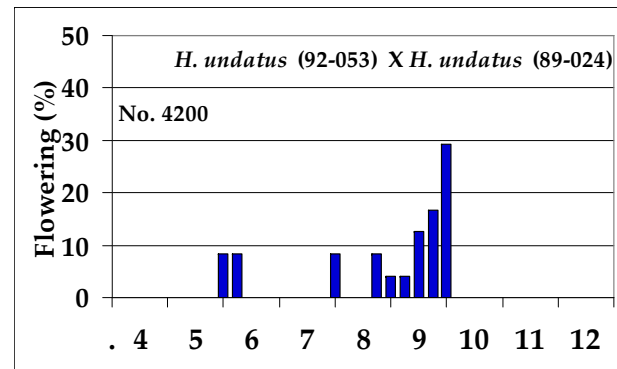
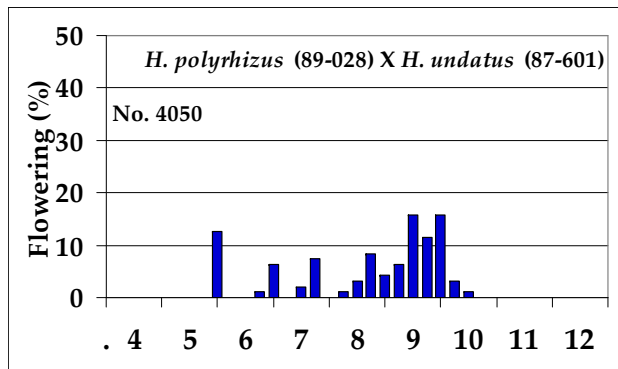
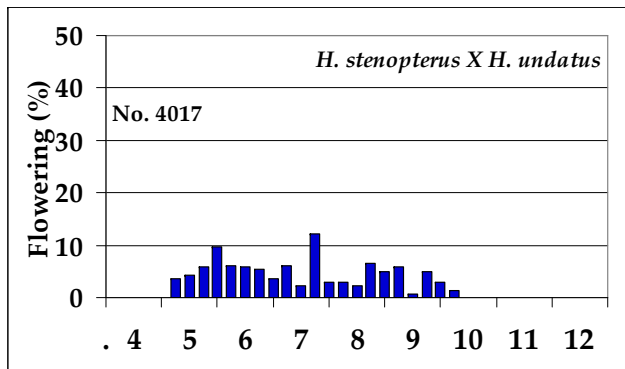
**Fig. Weekly flowering –**  
***H. undatus* (89-026) X *H. sp.* (10-487) or *H. undatus* (87-601) or *H. undatus* (89-024)**



**Fig. Monthly flowering + ripening –**  
*H. undatus* (89-026) X *H. sp.* (10-487) or *H. undatus* (87-601) or *H. undatus* (89-024)



**Fig. Weekly flowering – Other hybrids**



**Fig. Monthly flowering + ripening – Other hybrids**

