

# Cypripedium Committee

## Report 2009

### 1. Cage

Year						
2009						
2008						
2007						
2006						
2005						
2004						
2003						

### 1.1 Details of Cage

			Final shoot height (mm)	Final leaf count				
			225	4				
			260	5				
			290	5				
			310	5				
			280	5				
			310	4				
			260	5				
			270	5				
			295	5				

Notes: the bud on [redacted] was eaten.

### 1.2 Cage management

- [redacted] Slug pellets applied/slugs removed
- [redacted] Slug pellets applied
- [redacted] Slug pellets applied
- [redacted] Cage watered
- [redacted] Cage watered

- █ Cage watered
- █ Cage watered
- █ Cage watered/slug pellets applied
- █ Cage watered
- █ Slug pellets applied
- █ Slug pellets applied
- █ Removed slug from cage and applied slug pellets
- █ Cage watered
- █ Cage watered

For comparison with previous years:

**2009 Cage watered 8 times and slug pellets applied 7 times**

2008 Cage watered 8 times and slug pellets applied 7 times

2007 Cage watered once and slug pellets applied 10 times

2006 Cage watered 5 times and slug pellets applied 7 times

2005 Cage watered 4 times and slug pellets applied 7 times

2004 Cage watered once and slug pellets applied 7 times

**2 █ cages**

**2.1 Cages █**

**Cage █**

Year	█	█	█	█	█	█
2009	█	█	█	█	█	█
2008	█	█	█	█	█	█
2007	█	█	█	█	█	█
2006	█	█	█	█	█	█
2005	█	█	█	█	█	█

Notes: The [redacted] shoots in Cage [redacted] had a final height of 295/300mm. [redacted]  
 [redacted] The [redacted] was eaten. The [redacted]  
 [redacted]

Cage [redacted]

Year	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2009	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2008	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2007	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2006	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2005	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Notes: Final shoot height for Cage [redacted] was between 310mm and 380mm. [redacted]  
 [redacted] The  
 [redacted] shoot [redacted] never developed, being small and shrivelled. [redacted]  
 [redacted]

Overall [redacted] in 2009:

[redacted] Cage [redacted]

Cage [redacted] [redacted]

Cage [redacted] [redacted]

Total [redacted] (compared to [redacted] 2008, [redacted] 2007 and [redacted] 2006)

2.2 Cages [redacted]

The following cages had surviving [redacted] *Cypripedium* plants (maximum number of shoots in each cage is shown):

- 2002A      1
- 2002B      1
- 2002C      1

2002D	1
2002E	4
2002F	2
2002H	2
2002J	2
Cage 22	1
Cage 25	2

**2009 total: 17 shoots/10 cages** (compared to 19/11 in 2008, 20/10 in 2007, and 26 /13 cages in 2006).

In 2009 shoots were lost from one cage where they appeared in 2008. There were no gains in 2009. Some slug damage recorded in two cages. [REDACTED] all cages were checked regularly. They were watered on four occasions and had slug pellets applied five times.

### 3 Pollination and seed pod collection

Pollination in 2009 was carried out by Colin Newlands on [REDACTED] [REDACTED] were collected by Colin Newlands on [REDACTED] [REDACTED] (pollination) and sent down to Kew. Further details are as follows:

#### [REDACTED] Cage

- [REDACTED]
- [REDACTED]
- [REDACTED]

#### Cage [REDACTED]

- [REDACTED]

- [redacted] *Cypripedium* shoots in cage brown and shrivelled by collection date, with no [redacted] remaining. Note that *Epipactis atrorubens* plants in the cage were still green on 12/10 and had mature pods.

#### 4 Weather

Year	Total rainfall	Highest rainfall [redacted]	Days with rain	Longest period without rain	Lowest temp. [redacted]	Highest temp. [redacted]
2009	164mm	25mm – maximum capacity of gauge exceeded [redacted]	28 [redacted] [redacted]	7 days [redacted]	Original location: 5°C [redacted] Shed: 3.7°C [redacted]	Original location: 23°C [redacted] Shed: 25.7°C [redacted]
2008	173.95mm	25mm – maximum capacity of gauge exceeded [redacted]	33 [redacted] [redacted]	7 days [redacted]	1°C [redacted]	22°C [redacted]
2007	299.25mm	25mm - maximum capacity of rain gauge exceeded on 4 occasions [redacted]	33 [redacted] [redacted]	6 days	3°C [redacted]	26°C [redacted]
2006	103.5mm	19mm [redacted]	23 [redacted] [redacted]	10 days	1.8°C [redacted]	28°C [redacted]

Note that weather was recorded at 9am for the previous 24 hour period.

#### 5 Visitors

[redacted] 3 single visitors came to the site to look at the plant, two of whom gave their names/addresses. One was a first time visitor [redacted] who had learnt about the site by word of mouth. He showed the warden a hand drawn map he was carrying with instructions on how to find the site. This had

been given to him by a person who had visited 10 years ago, and told him that if he visited he would be allowed to view the plant through binoculars. The other person was [REDACTED] who had last come to see the plant in the 1970's. Neither were aware of any other sites where they could view the orchid. The third visitor had also been to [REDACTED] about 8 or 10 years ago. He worked for [REDACTED] and said the location was generally known amongst staff, but they keep quiet about it. He was directed to [REDACTED] plant for next year.

[REDACTED] on five occasions during [REDACTED] and two walkers were observed on the northern boundary, although it was clear they were not interested in the site and taking a short cut across Open Access land.

On four occasions the wardens noted people (15 in total) looking across to the site from [REDACTED]. No attempt was made to enter the site by these individuals. However, two other groups (5 people in total) came to the site boundary, one group looking through binoculars but making no attempt to enter, the other asking the warden if they could enter, but then looking through binoculars when refused entry.

## **6 Wardening**

A warden was present [REDACTED]

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