

Phlox *pilosa* 2005/06 Sixty plant control plot totals

Dates:

12/05 1/06 3/06 6/06 7/06 9/06 1/07

s=small; m=medium; lg=large b=blooming; sds=seeds; ns=no show f=foraged db=die-back

Mortality Rate 11 plants out of 60 plants = ~

EE1	1	s	s	s	f	m	m	m
	2	ns	ns	ns	ns	ns	ns	ns ~
	3	m	lg	m,b	f	f	m	lg
	4	ns	ns	ns	-	ns	ns	ns ~
	5	m	s	ss	-	lg	s	ns
	6	ns	s	s	-	ns	ns	ns
	7	s	ns	-	-	ns	ns	ns
	8	s	s	m,b	sds,b	m	s,b,sds	s
	9	m	lg	m,b	sds,b	m,b,sds	s	ns
	10	s	sm	ns	ns	ns	ns	s,b
EE2	1	m	lg	lg,b	f	lg,b,sds	lg	ns
	2	s	m	m,b	m,b	lg,b,sds	db	ns
	3	s	m	m,b	ns	f,s	sd	s
	4	ns	ns	ns	ns	ns	ns	ns ~
	5	ns	ns	ns	ns	ns	ns	ns ~
	6	s	s	s,b	sds,b	db	s	ns
	7	s	s	s,b	f,b,sds	db,s	db	ns
	8	s	s	s,b	lg,b,sds	db,s	db	ns
	9	ns	ns	ns	s,b	b,sds	ns	ns
	10	l	lg	lg,b	lg,sds,b	b,sds	lg,sds	f,m
EE3	1	s	m	m	m,sds,b	f,lg	lg,sds	lg,db,b,
	2	ns	ns	s,b	f,sds	m	m,sds	db
	3	s	s	ns	ns	lg,b	m	f,db
	4	ns	ns	s	ns	ns	ns	ns

	5	ns	s	s,b	ns	ns	ns	ns
	6	m	s	s,b	m,b,sds	s	m,b	db,s
	7	s	s	s	m,b,sds	s	m,b	db
	8	s	s	s	ns	s,b	db	m
	9	s	m	m	sds,b	s	s,b	b,db
	10	s	s	s,b	s,sds	s,b	s,b	db,m
OBS 1	1	ns	ns	ns	ns	ns	ns	ns
	2	s	s	s,b	ns	f,m	m,b,sds	db,m
	3	ns	s	s	s	s	sds,b	db,m
	4	ns	ns	ns	ns	ns	ns	ns ~
	5	ns	ns	ns	nsns	ns	ns	ns ~
	6	ns	ns	ns	nsns	ns	ns	ns ~
	7	s	s	s,b	s,b,sds	s	db,sds	ns
	8	s	m	s,b	ns	s	s	ns
	9	s	m	s	ns	ns	ns	ns
	10	s	s	s,b	ns	ns	ns	ns
OBS2	1	ns	ns	ns	ns	ns	ns	s
	2	s	lg,b	m,b	f,s	s	m	db
	3	s	lg,b	m,b	f,s	ns	s	s
	4	ns	ns	ns	ns	ns	ns	ns ~
	5	s	s	ns	f,s	s	s,b	ns
	6	s	s	s,b	sds,m	db	ns	ns
	7	ns	ns	s,b	s,sds	ns	ns	ns
	8	m	s	ns	s,f,sds	db	m,b	db,b
	9	s	s	m,b	m,b	db	db	ns
	10	s	s,b	m,b	m,sds,b	db	ns	ns
OBS3	1	l	m,b	m,b	lg,b	db	db,sds	ns
	2	ns	ns	ns	ns	ns	ns	ns ~
	3	ns	ns	ns	ns	s	ns	ns
	4	m	s	m	lg,sds,b	s	s,b	db
	5	s	s	m,b	f	s	s,sds,b	db

6	s	s	m,b	f	ns	s	ns
7	ns	ns	ns	ns	ns	ns	ns ~
8	ns	s	s	ns	ns	ns	ns
9	s	s	s,b	s,b,m	s	ns	db
10	s	s	s	s,b	ns	ns	ns

NOTES:

1/06 all 60 production plants behind OBS control plot received 10-10-10 fertilizer. See January cuttings in mist house decimated. In March 2006 there is evidence of foraging in control plot.

In June 2006: tugging on direct to soil stuck cuttings offered resistance 4 out of 5 times; all die back on tops, and Ashville rootings for propagation area rebounding nicely.

July 9, 2006: over all EE pilosa way ahead of OBS in vigor and plant size; some indication plants benefit from mulch (in summer); in prod plot 20/60 plants visible; experiment with stems in dirt – carpet weed present, leave undisturbed.

September 2006: Production plot (3 rows of 20 ea)

Row 1, 14/20 visible

Row 2, 9/20 visible

Row 3, 5/20 visible 30% had immediate die back, 50% eventually showed growth within 60 months.

Experimental row - ; No Show – will leave undisturbed another year.

January 2007: Out of 60 plants in production plot: Row 1, 14/20 show growth; in row 2, 8/20 show growth and in row 3, 7/20 show growth. In the 600 feet of irrigated rows with poultry wire, 98 plants have visible growth ranging from multi-stemmed, 6” diameter to single sprouts.

Die-back at mist house plants in 33’ rows. These plants will receive repeated cuttings to promote branching for vegetative cutting material for production.

From noting log entries, plants can experience die-back or rest for three to six months or more and reappear (EE1,10; EE2,3; EE2,9; EE3,2; EE3,3; OBS1,1; OBS 3,8; and OBS 3,9.)

