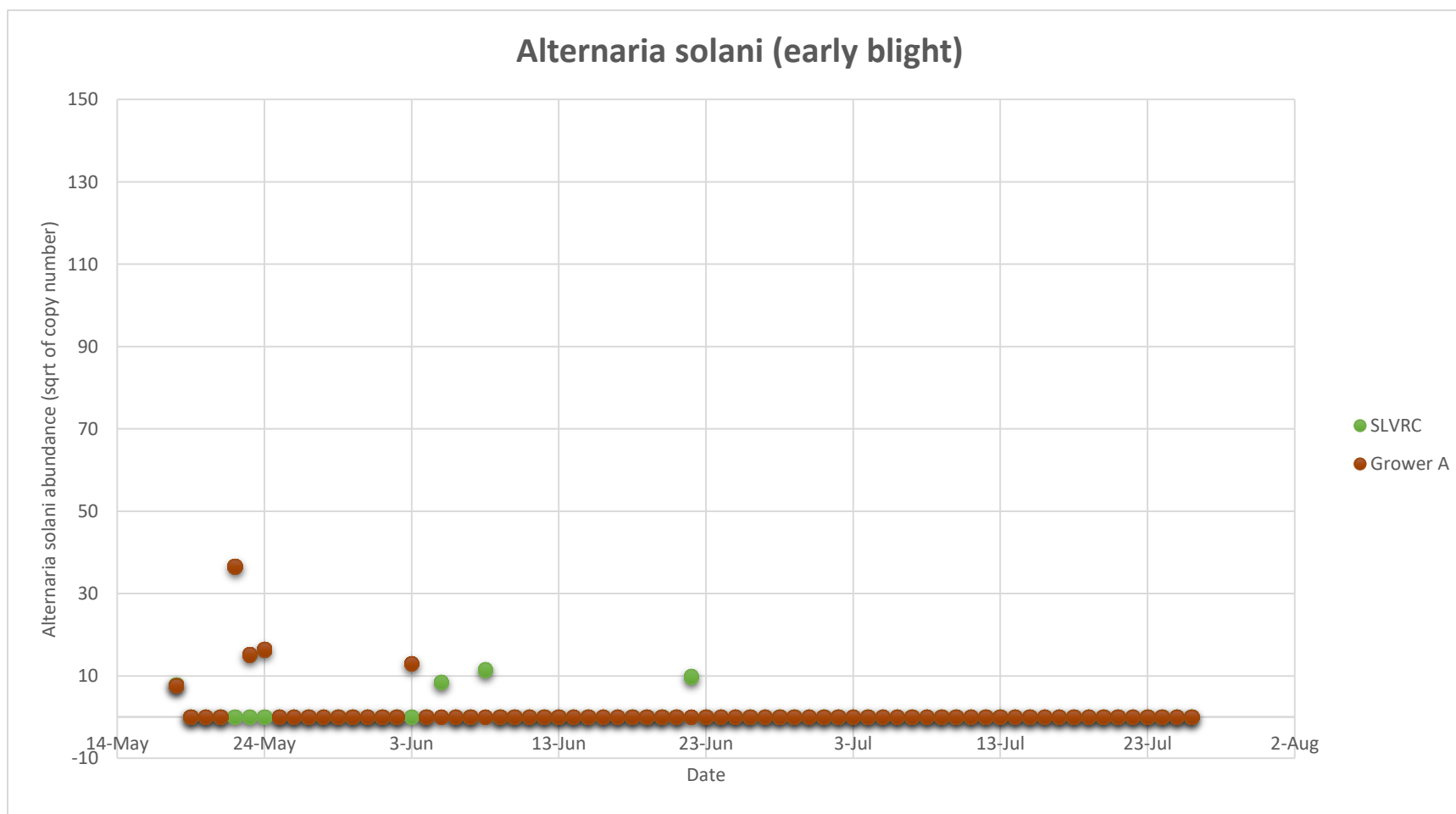
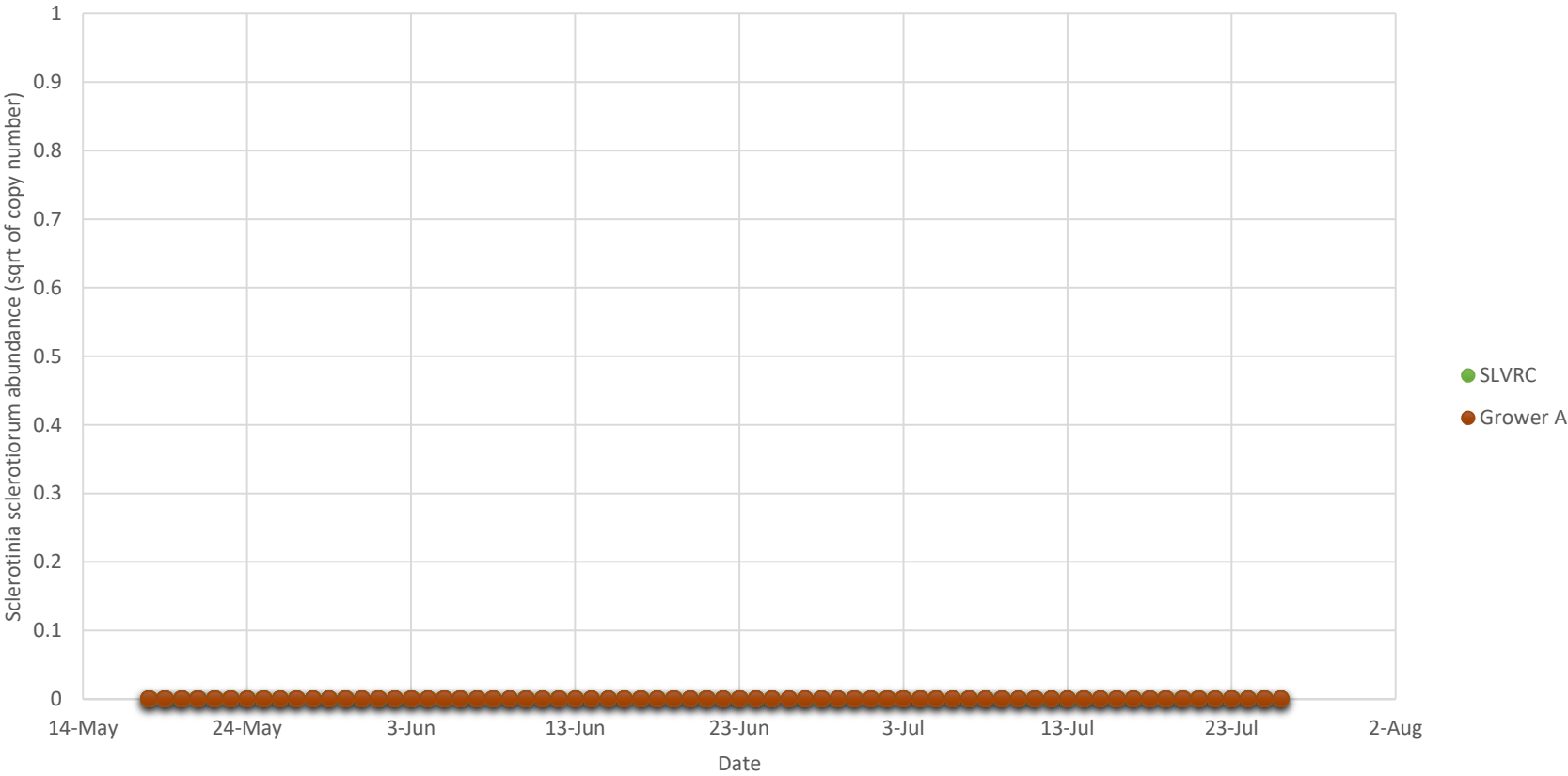


Airborne potato pathogen detection for May 18 to July 26, 2021.

Samples are collected daily at two spore trap locations. One located at the SLVRC and the other trap approximately 7 miles SE of the SLVRC. Pathogen abundance expressed as template copy number per reaction was estimated from the standard curve using qPCR.

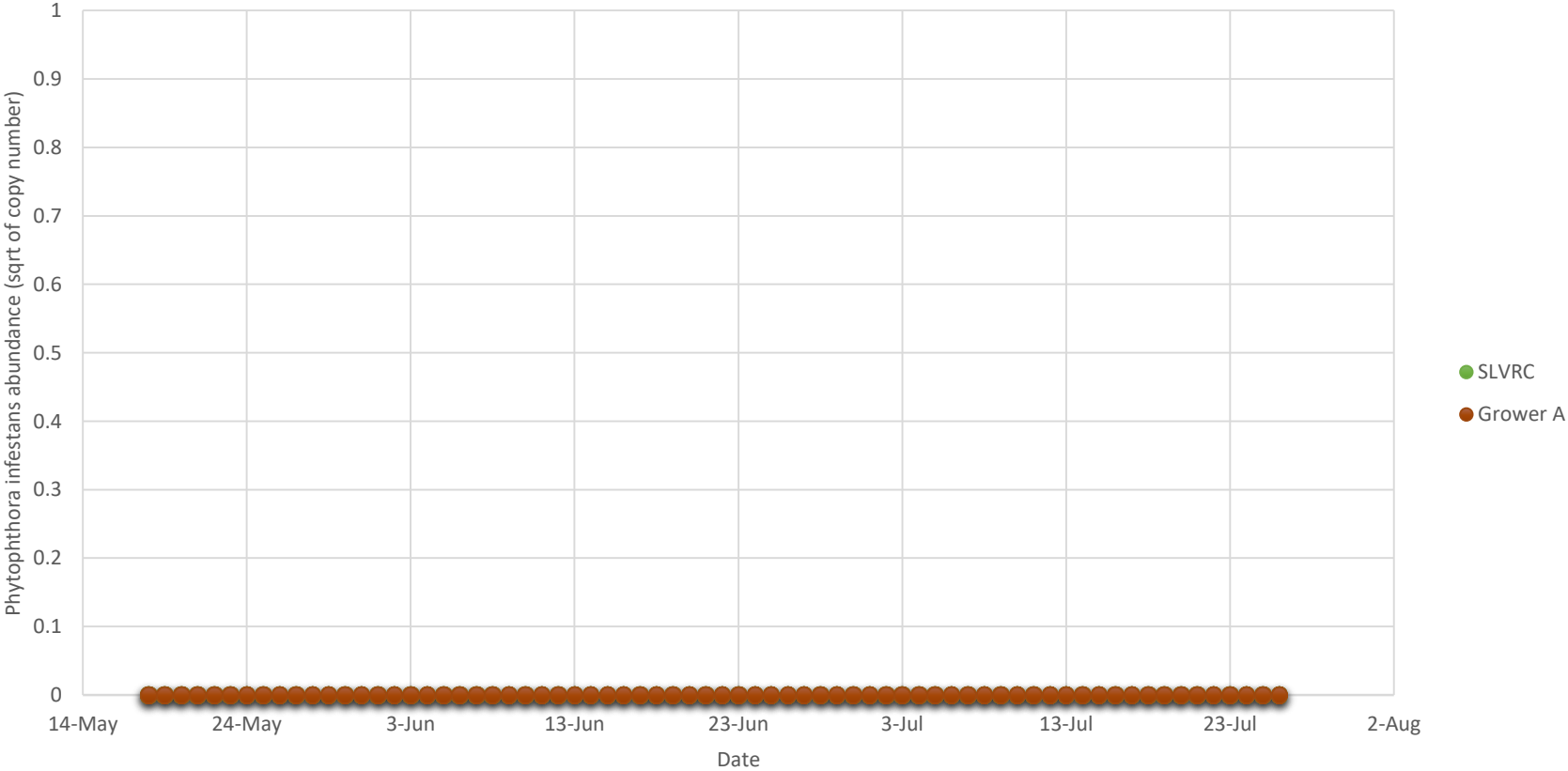


Sclerotinia sclerotiorum (white mold)



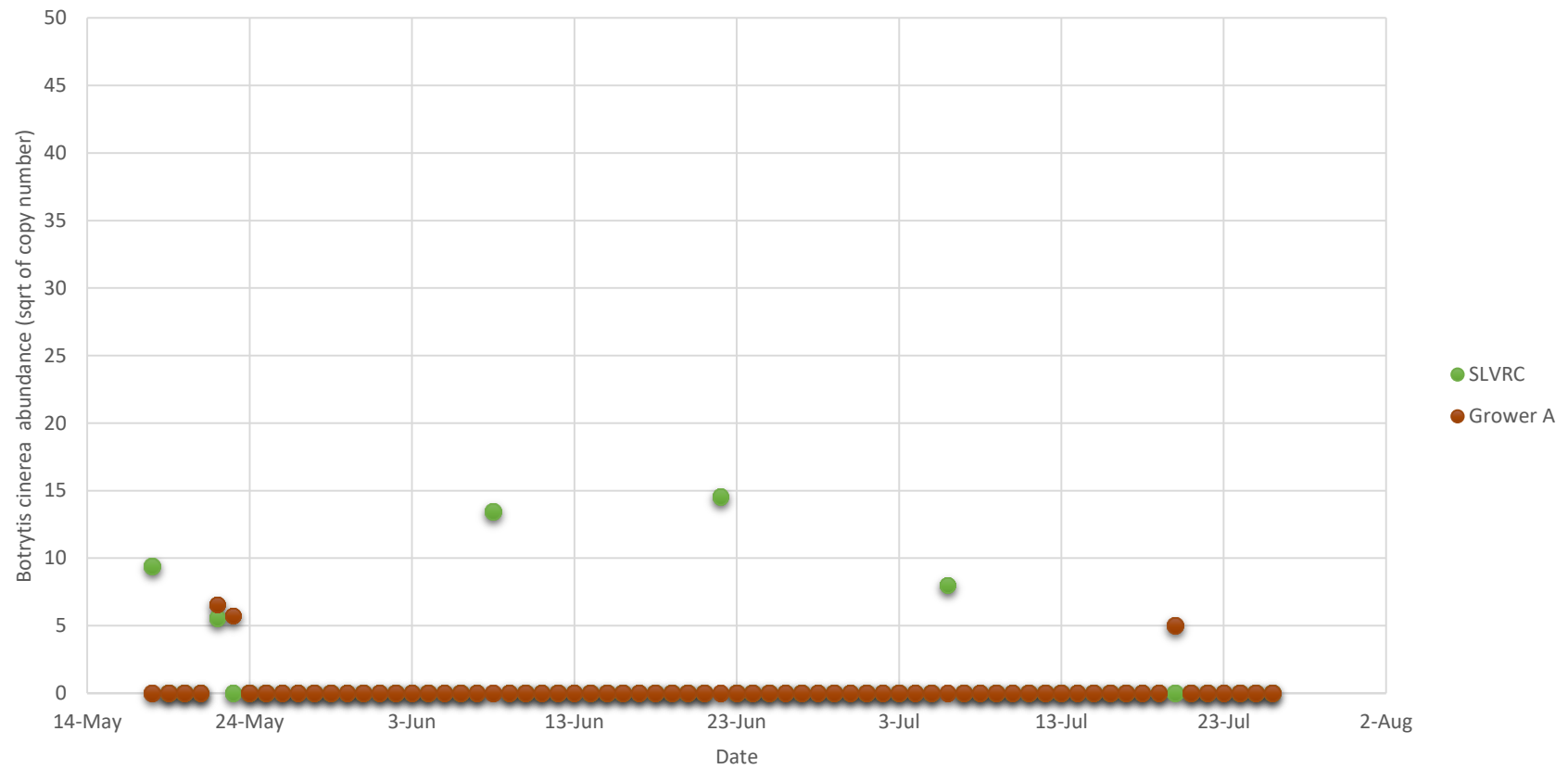
All negative

Phytophthora infestans (late blight)

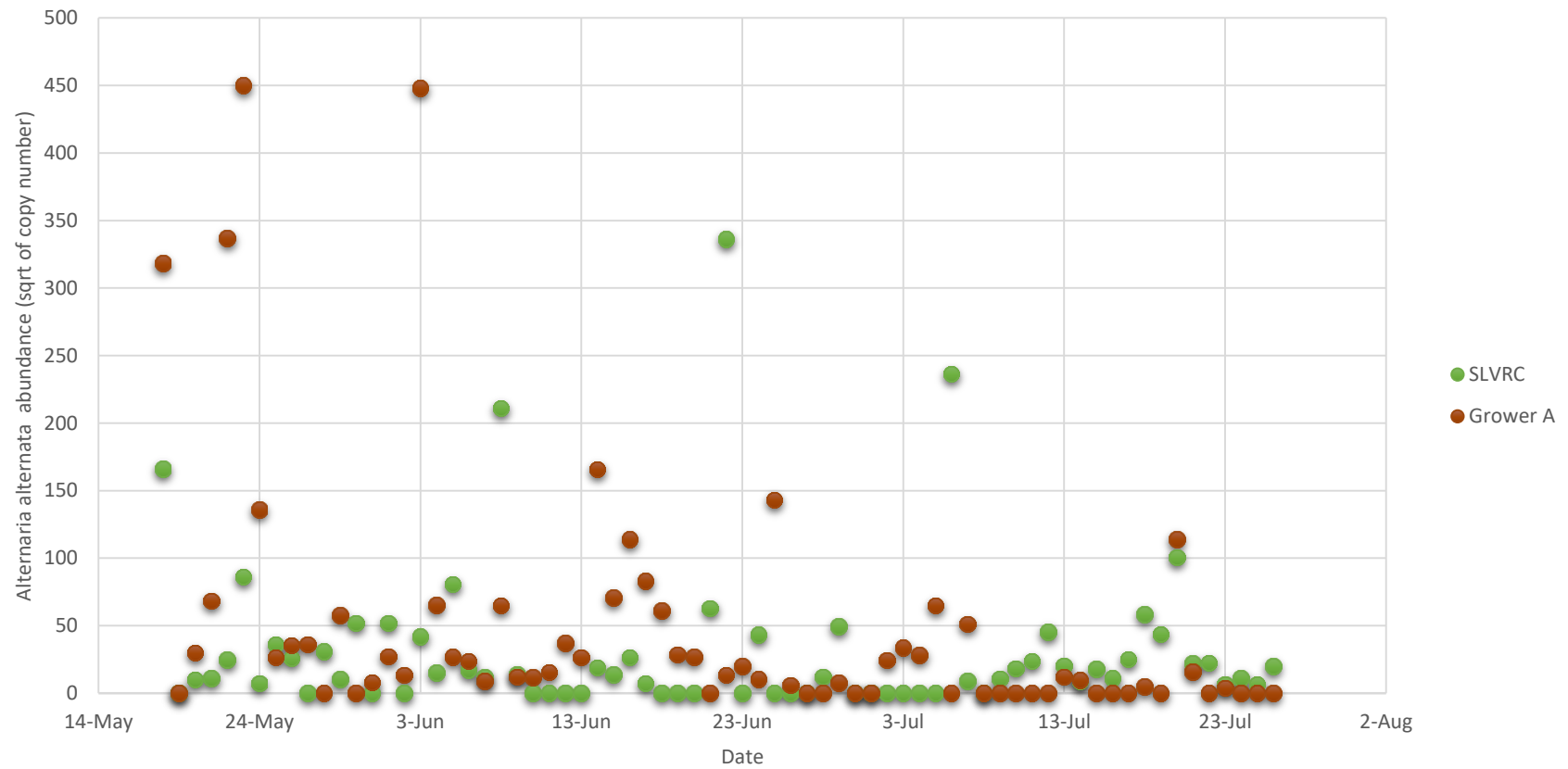


All negative

Botrytis cinerea (grey mold)



Alternaria alternata (brown spot)



Positive (+) and negative (-) qPCR results for *Alternaria solani* detected from two spore trap locations in the San Luis Valley in 2021 (A= GrowerA, B=SLVRC; * = data not available).

	May																															
Site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total+
A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	-	-	-	+	+	+	-	-	-	-	-	-	-	4
B																		+	-	-	-	-	-	-	-	-	-	-	-	-	1	
	June																															
Site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total+	
A	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
B	-	-	-	-	+	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	3	
	July																															
Site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total+
A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	*	*					0	
B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						0	

Positive (+) and negative (-) qPCR results for *Alternaria alternata* detected from two spore trap locations in the San Luis Valley in 2021 (A= GrowerA, B=SLVRC; * = data not available).

	May																															
Site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total+
A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+	-	+	+	+	+	+	+	+	+	-	+	-	+	11
B																		+	-	+	+	+	+	+	+	+	-	+	+	+	-	11
	June																															
Site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total+	
A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	-	-	+	-	26	
B	+	-	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+	-	-	-	+	+	-	+	-	-	-	+	+	-	17	
	July																															
Site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total+
A	-	+	+	+	+	-	+	-	-	-	-	-	+	+	-	-	-	+	-	+	+	-	-	*	*	*						10
B	-	-	-	-	-	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							20

Positive (+) and negative (-) qPCR results for *Botrytis cinerea* detected from two spore trap locations in the San Luis Valley in 2021 (A= GrowerA, B=SLVRC; * = data not available).

	May																																
Site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total+	
A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	-	-	+	+	-	-	-	-	-	-	-	-	-	2
B																		+	-	-	-	+	-	-	-	-	-	-	-	-	-	2	
	June																																
Site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total+		
A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
B	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	2	
	July																																
Site	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total+	
A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	*	*	*						1	
B	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						1	