Cactus Conservation Institute

Phase 3
Peyote post-harvest regrowth –

Second reharvest of regrowth after 2 years

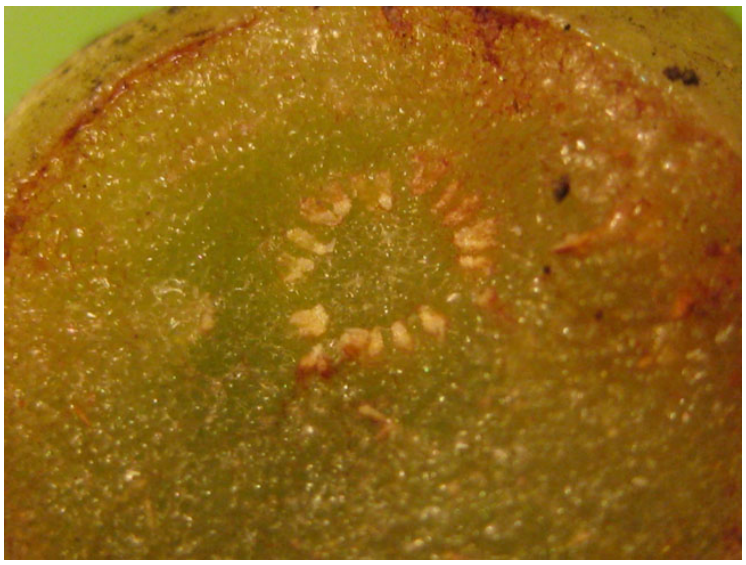
nd – No data available.
– – Missing data.

Two years following the initial harvesting the survivors of our harvest group had been divided into two parts and all new growth was then reharvested from half of them. Now, two years later at the four year point, we again divided the survivors showing regrowth into two groups and reharvested half of those. Both sets conveniently had four dead/missing plants.

Weights listed are for the original plant crown weight and the weights for the total of the reharvested crowns.

Images of the regrowth on the actual plants in our study can be viewed using the links in the column headed "Regrowth as number of pups".

Images of the reharvested group and the new controls can be found in a separate downloadable file labeled as such.



***Lophophora williamsii* showing a cut and oxidizing surface**

Plant No. [Tag IMG]	**Number of ribs**	**Diameter** (cm)	**Weight** (gm)	**Regrowth as number of pups**	**Regrowth as diameter of pups** (cm)	**Comments, reharvests & new controls**
2008 **2009** **2010** **2011** **2012**				**11 Nov. 2008** **7 Mar. 2009** **6 Mar. 2010** **15 Mar. 2011** **13 Mar. 2012**	**11 Nov. 2008** **7 Mar. 2009** **6 Mar. 2010** **15 Mar. 2011** **13 Mar. 2012**	
101	13 – 8, 7, 6, 7 *nd* *nd*	6.2	65 0	4 4 0 0	1.3, 2.5, 2.4, 1.2 2.0, 2.7, 2.5, 1.3 2.5, 3.1, 3.1, 20 *nd* *nd*	Reharvested 8 March 2010 Dead remains found in 2011. Reharvest set 13 March 2012
103	5 – 7, 7 6, 6 5, 5	2.0	3	3 2 2 0 2	0.5, 0.8, 0.9 1.2, 1.3 1.4, 1.5 *nd* 2.6, 2.0	New control 13 March 2012
108	8 – 5, 7, 7 7, 7, 5* 7, unclear, 8	5.0	31 13.4	– 3 3 3 3	*nd* 2.1, 1.8, 2.1 2.1, 1.6, 2.4 2.1, 1.3, 1.3 3.2, 2.1, 1.2	Tag not found, plant not found. Reharvested 8 March 2010 *Chewed on by herbivores. Reharvested 13 March 2012

109	9 – 7, 8, 7 8, 7, 7 8, 8, 8	5.8	43	– – 3 3 3	*nd* *nd* 2.9, 3.8, 3.4 3.1, 3.0, 3.1 4.3, 4.0, 3.8	Tag not found, plant not found. Tag not found, plant not found. New control 13 March 2012
110	8 – 7, 7 *nd* *nd*	4.1	23 0	– – 2 0 0	*nd* *nd* 2.5, 2.1 *nd* *nd*	 Reharvested 8 March 2010 Dead. Carcass found. Reharvest set 13 March 2012
111	8 – 8, 5 6 *nd*	2.7	6	– – 2 1 0	*nd* *nd* 2.0, 0.6 1.0 *nd*	Tag not found, plant not found. Tag not found, plant not found. New control set 13 March 2012
112	13 – 8. 7. 8. 8 7, 8, 6, 6 6, 5, 6, 6	4.8	20 14	– 4 4 4 4	*nd* 2.1, 2.0, 1.7, 1.6 2.6, 1.3, 2.7, 2.4 1.3, 1.5, 1.3, 1.3 2.2, 2.0, 1.8, 1.8	Tag not found, plant not found. Reharvested 8 March 2010 Reharvested 13 March 2012
114	8 – 7, 8 8, 5 *nd*	4.1	17	2 2 2 2 0	1.7, 1.9 1.7, 1.7 2.1, 2.2 2.3, 1.0 *nd*	 Reharvested 8 March 2010 1 head looks older than the other. Reharvest set 13 March 2012
116	8 – 8, 5, 6 5*, 8, 6 *nd*	4.4	23	3 3 3 3 0	1.7, 1.0, 1.4 1.7, 0.9, 1.6 2.5, 0.7, 1.8 2.5, 2.5, 0.7 *nd*	 *Chewed on by herbivores. New control set 13 March 2012
117	8 – 11, 6, 6 8, 7, 12 *nd*	5.4	28	3 3 3 3 0	1.3, 2.8, 1.8 1.8, 3.0, 2.1 1.7, 3.6, 2.2 2.6, 2.5, 4.5 *nd*	 New control set 13 March 2012
118	8 –	5.3	34	5 5	1.0, 1.3, 1.0, 1.2, 1.4	

	8, 7, 7, 6, 6 7, 7, 6 7, 7, 7		10.8	5 3 3	1.0, 1.9, 1.3, 1.7, 2.0 1.9, 1.1, 1.4, 1.0, 1.5 1.7, 1.8, 1.8 2.3, 2.3, 2.1	Reharvested 8 March 2010 Reharvested 13 March 2012
119	13 – 8, 5, 8, 8 6, 7, 7, 6 7, 5, 7, 5	5.4	48	4 4 4 4 4	1.9, 0.8, 1.5, 1.6 2.2, 0.9, 1.3, 1.9 2.4, 0.9, 1.6, 1.6 2.4, 2.8, 2.8, 2.8 4.0, 2.5, 3.1, 3.2	New control 13 March 2012
120	8 – 7, 8 7, 6 6, 6	5.6	28 5.5	– – 2 2 2	*nd* *nd* 1.8, 2.1 2.0, 1.5 2.2, 1.8	Tag not found, plant not found. Tag not found, plant not found. Reharvested 8 March 2010 One crown was stepped on. Reharvested 13 March 2012
121	13 – 8, 7 7, 7 8, 7	6.3	71	2 2 2 2 2	1.9, 2.5 2.4, 2.6 2.4, 2.7 3.6, 3.4 4.0, 4.2	New control 13 March 2012
122	5 – 7 6 8	2.9	6 2.8	1 – 1 1 1	2.2 *nd* 2.1 1.7 2.1	Tag not found, plant not found. Reharvested 8 March 2010 Reharvested 13 March 2012
123	8 – 6, 5 7, 6 8, 7	5.0	31	– – 2 2 2	*nd* *nd* 2.1, 1.6 2.5, 2.9 3.2, 3.0	Tag not found, plant not found. Tag not found, plant not found. *Regrowth after herbivore damage. New control 13 March 2012
124	8 – 7, 6 5, 5 8, 7	4.1	17 7.3	2 2 2 2 2	1.9, 2.1 1.8, 2.0 1.8, 1.8 0.8, 2.0 2.5, 2.0	Reharvested 8 March 2010 Reharvested 13 March 2012
125	8	4.4	14	2	1.6, 1.5	

	– 5, 6 6, 7 7, 7			2 2 2 2	2.0, 1.6 1.4, 1.4 2.5, 2.5 2.9, 2.9	New control 13 March 2012
126	13 – 6, 7, 7 7, 6, 8, 7 8, 6, 7, 6	5.0	54 19.8	– – 3 4 4	*nd* *nd* 2.4, 2.5, 2.4 1.8, 1.9, 2.0, 1.4 2.6, 2.1, 2.3, 2.5	Tag not found, plant not found. Tag not found, plant not found. Reharvested 8 March 2010 Reharvested 13 March 2012
127	8 – 8 8 8	4.3	28	1 1 1 1 1	1.8 2.0 2.3 3.0 5.3	New control 13 March 2012
128	13 – 6, 8, 8 6, 7, 6, 7 6, 7, 7, 7	4.9	34 13.6	3 3 3 4 4	1.6, 2.4, 2.0 1.7, 2.8, 2.0 1.8, 2.8, 2.1 1.5, 1.7, 1.6, 1.5 2.2, 1.9, 2.1, 2.0	Reharvested 8 March 2010 Reharvested 13 March 2012
129	10 – 6, 7, 7 8, 8, 7, 7 8, 8, 8, 7+	5.3	34	4 4 3 4 4	2.0, 2.0, 1.0, 2.2 2.2, 2.2, 1.7, 2.3 2.2, 2.0, 2.3 2.8, 2.8, 2.8, 2.8 3.0, 3.0, 3.0, 3.0	New control 13 March 2012
130	8 – 8, 7 13, 8 –	5.3	23	2 2 2 2 missed	1.1, 3.1 1.1, 3.7 3.9, 1.4 4.7, 2.3 –	
131	8 – 7, 7, 7 6 *nd*	4.8	26 0	3 3 1 0	1.4, 1.2, 1.1 1.9, 1.5, 1.4 1.0, 1.7, 1.6 2.0 *nd*	Reharvested 8 March 2010 Lopsided; herbivores ate one side. Reharvested set 13 March 2012
133	8 – 6 6 5	4.2	20	0 1 1 1 1	*nd* 0.8 1.3 2.0 4.2	New control 13 March 2012
134	8	3.4	9	0	*nd*	

134	– 6, 7 *nd* 6, 6		4.5	2 2 0 2	1.4, 1.6 1.4, 1.4 *nd* 1.7, 1.9	Reharvested 8 March 2010 Reharvested 13 March 2012
135	13 – 12, 5 12, 6 13*, 7	5.4	28	2 2 2 2 2	2.8, 1.7 3.2, 1.9 3.9, 1.8 4.5, 2.4 5.0, 2.5	New control 13 March 2012 * Apical meristem regrowth.
136	13 – 6, 7, 7 5*, 6, 6 6, 7, 6	5.7	48 12.1	2 3 3 3 3	1.9, 1.9 2.4, 2.3, 1.4 2.1, 2.2, 2.0 1.2, 1.7, 1.3 2.5, 2.1, 1.8	Reharvested 8 March 2010 *Apex of plant off-center. Reharvested 13 March 2012
137	8 – 6, 6, 6 6, 7, 7 6, 7, 7	4.6	17	3 3 3 3 3	1.8, 1.8, 1.7 1.6, 1.6, 1.3 1.3, 1.2, 1.2 2.1, 2.0, 2.0 2.2, 2.0, 2.0	New control 13 March 2012
138	13 – 6, 5, 5 6 6	5.7	43 2.1	4 4 3 1 1	1.1, 1.4, 1.8, 1.1 1.2, 1.7, 2.4, 1.4 3.0, 1.2, 1.2 1.9 1.9	Tag not found, plant was found. Reharvested 8 March 2010 Apical meristem eaten and regrown. Reharvested 13 March 2012
139	5 – 6 8 8	2.9	6	1 1 1 1 1	1.8 1.9 2.1 2.6 1.9	New control 13 March 2012
141	13 – 7, 7, 7, 7 8, 9, 5* 8, 8, 8	5.0	23 12.8	4 4 4 3 3	1.6, 1.6, 1.8, 1.5 –, –, –, – 2.0, 1.8, 1.5, 1.5 1.8, 2.0, 1.5 2.4, 2.2, 2.3	Reharvested 8 March 2010 *Pup still in the process of emerging. Reharvested 13 March 2012
142	13 – 6, 6, 6, 6	6.4	62	– – 4	*nd* *nd* 2.6, 1.3, 1.1,	Tag not found, plant not found. Tag not found, plant

	8, 7, 7, 6 6, 6, 5, 6			4 4	1.2 2.0, 2.0, 2.0, 3.3 3.6, 2.4, 2.2, 2.3	not found. New control 13 March 2012
143	13 – 8, 8, 7 7, 9, 7 8, 7, 7	6.3	51 22.2	– – 3 3 3	*nd* *nd* 2.9, 2.7, 2.6 1.7, 2.8, 2.1 3.1, 2.6, 2.0	Tag not found, plant not found. Tag not found, plant not found. Reharvested 8 March 2010 Reharvested 13 March 2012
144	5 – 6, 6 6, 6 7, 6	3.9	23	2 2 2 2 2	1.0, 1.0 1.4, 1.3 0.9, 1.0 2.0, 2.0 2.2, 2.1	 New control 13 March 2012
145	5 – 5 7 6	3.5	11 4.3	1 1 1 1 1	1.4 1.5 1.4 1.6 2.1	 Reharvested 8 March 2010 Reharvested 13 March 2012
146	13 – 7, 8 8, 9 7, 8	5.9	37	2 2 2 2 2	1.8, 1.6 2.0, 1.9 2.2, 2.3 2.8, 2.8 3.0, 2.9	 New control 13 March 2012
147	13 – 7, 7, 7, 6 8, 8, 8 7, 6, 6	5.7	34 10.5	4 4 4 3 3	1.0, 1.4, 1.4, 1.8 1.5, 1.5, 2.0, 2.0 1.7, 1.5, 1.7, 1.2 1.1, 1.5, 1.8 2.1, 1.6, 2.0	 Reharvested 8 March 2010 Reharvested 13 March 2012
148	13 – 7 7 8	6.8	54	1 1 1 1 1	2.5 3.4 3.2 4.1 4.5	 New control 13 March 2012
149	13 – 8x3, 7x3 7, 8* 7, 7	6.7	51 16	6 6 6 2 2	1.8, 1.1, 1.0, 0.9, 1.1, 1.8, 2.1, 2.0, 1.9, 1.4, 2.0, 2.0 2.9, 1.7, 1.9, 1.9, 1.7, 2.4 2.3, 2.4	 Reharvested 8 March 2010 *Deformed. Reharvested 13 March 2012

					3.0, 2.7	
150	5 – 6, 7 8, 7 6, 6	2.9	9	2 2 2 2 2	1.3, 1.3 1.4, 1.4 1.0, 1.2 2.3, 2.3 2.8, 2.8	New control 13 March 2012

Regrowth study site showing typical Tamaulipan thornscrub vegetation