

NON-SERPENTINE Soil Nutrient and Organic Matter Thresholds, from the top 2 inches of soil from around native and exotic plants.

One full quart samples sifted through 1/4 inch mesh screen to remove rocks and roots, and tested by the Soil and Plant Lab in San Jose, California, and then the Waypoint Lab in Anaheim with their A-01 and A-19 soil tests. “x” means not tested.

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Nutrients in PPM, except for sulfates, which are meq/L. The Ca/Mg is the magnesium/calcium ratio. Organic matter is as a percentage. The thresholds for natives in bold. “Bare” means, soil was tested nearby where there was no vegetation, within two meters of existing native grass plants. Biocrust test was taken from the top 1/2 inch and included the biocrust itself in the test. “0” for micronutrients, means not tested.

Locations

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Albany Hill	Bench meadow	6.9	19	34	100	1200	186	7.9							6.5
CA	Albany Hill	tests Claytonia	6.8	30	58	521	1190	354	13.5						2.3	3.4
CA	Albany Hill	tests Solidago	6.4	34	42	565	1510	484	13.2							3.1
CA	Albany Hill	MCM test plot	6.3	20	57	261	1310	313	12.3							4.2
CA	Albany Hill	tests Weeds	6.7	27	71	364	1680	454	13.2							3.7
CA	Albany Hill	Peggies Park	7.1	10	35	108	2400	367	x							6.5
CA	Alpine Road	Heterotheca	7.3	14	46	479	3710	317	x							11.7
CA	Anita's Condos	Wild oats, ripgut	7.3	12	16	145	3750	305	10.4							0.1
CA	Antioch dunes	Filaree	7.2	20	41	163	1380	179	8.6							0.1
CA	Arana Gulch	SC tarplant test	5.2	17	14	176	790	202	x	1.0	2.0	15	53	0.11	0.4	3.9
CA	Arana Gulch	SC Tarplants ideal	6.5	35	21	77	988	125	x	0.4	4.0	6	28	0.28	4.0	7.9
CA	Arastradero	Blue Eyed thresh	6.4	156	39	997	2199	616	x	4.2	4.0	33	236	0.15	3.4	3.6
CA	Arastradero	Brome car. Okay	5.5	52	40	862	2254	736	x	5.3	5.0	49	179	0.34	2.3	3.1
CA	Arastradero	Foxtails exotic	7.2	47	46	397	3574	422	x	2.3	7.0	8	77	0.08	0.8	8.5
CA	Arastradero	Italian thistles	5.4	349	16	334	2434	820	x	3.7	3.0	16	96	0.13	1.8	3.0
CA	Arastradero	Medusahead	5.8	87	18	360	2438	1195	x	5.0	3.0	116	74	0.20	2.0	2.0
CA	Arastradero	Poppies good	x	117	131	278	X	x								
CA	Arastradero	Poppies poor	x	28	76	1030	x	x								
CA	Arastradero	Poppies rich soil	X	216	49	2180	x	x								
CA	Arastradero	Red brome	x	37	26	405	x	x								
CA	Arastradero	Wild Oats best	6.1	30	25	389	2105	687	x	5.0	4.0	29	156	0.21	0.9	3.1
CA	Arastradro	Ripgut weed	5.7	41	16	241	2123	726	x	2.5	5.0	37	92	0.11	1.0	2.9

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Armory SC tarpl	Tarplant test	4.8	11	23	248	2223	357	x	2.0	7.0	27	158	0.05	3.0	6.2
CA	Armory SC tarpl	Tarplants should be	6.6	55	30	207	2470	357	x	2.0	7.8	17	75	0.25	3.0	6.9
CA	Askok	Red Brome	7.1	37	26	405	3067	549	x	2.6	4.0	11	44	0.23	0.5	5.6
CA	Biocrust -	Parish Road	6.7	31	17	357	1470	347	6.7							4.2
CA	Biocrust -	Sutter Buttes	5.8	19	24	193	766	270	6.5							2.8
CA	Biocrust +	Parish Road	6.1	23	34	616	1220	369	8.0							3.3
CA	Biocrust +	Sutter Buttes	5.3	19	31	231	704	239	7.5							2.9
CA	Biocrust+	Dunnigan Ave 14	6.3	23	42	417	2180	861	16.1							2.5
CA	Cal I-10	Sahara mustard	7.6	14	18	128	519	46	2.7							11.3
CA	Calimesa	Wild oats	7.1	10	33	77	1620	519	5.2	0.0	0.0	0	0	0.00	0.0	3.1
CA	Camp Roberts	Soft chess/Rip	6.5	90	36	248	2820	430	18.2							6.6
CA	Cañada College	Bare chert	6.0	37	17	195	1940	415								4.7
CA	Cañada College	Grass plot	6.4	10	16	251	1880	404	x							4.7
CA	Cañada College	IDEAL	6.9	70	35	251	2800	911	!!							3.1
CA	Cañada College	Lotus good	6.7	12	22	171	3720	1130	9.0							3.3
CA	Cañada College	Lotus ideal	5.9	7	17	162	678	2400	15.9							0.3
CA	Cañada College	Lotus min. fertilized	6.7	15	61	323	1410	1100	17.0							1.3
CA	Cañada College	Max. Filaree Nitro	6.3	238	62	260	4020	678	26.8							5.9
CA	Cañada College	Max. Filaree Phos	6.7	139	234	146	5490	848	26.2							6.5
CA	Cañada College	Poppies	7.0	4	11	116	4690	1340	x							3.5
CA	Cañada College	Pur. Needlegrass	6.9	14	16	204	2810	911								3.1
CA	Cañada College	Site 11 unfertilized	6.3	71	17	413	2210	515	x							4.3

Locations

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Cañada College	Supersoil OM ideal	X	x	x	x	x	x	15.2							
CA	Cañada College	Weed clover thresh	6.6	17	29	182	3200	927	10.3							3.5
CA	Cañada College	Weed grass thresh	6.4	126	49	323	4480	999	12.9							4.5
CA	Carrizo plains1	Topaz solar Stipa	7.7	3	48	511	474	3880	2.0							0.1
CA	Carrizo plains1	Topaz solar Stipa	7.4	3	56	573	1750	4220	2.5							0.4
CA	Carrizo plains2	Topaz solar Stipa	7.4	3	53	507	1450	4180	2.3							0.3
CA	Carrizo plains3	Topaz solar Stipa	6.0	2	61	239	518	1650	1.5							0.3
CA	Carrizo plains4	Topaz solar Stipa	7.1	3	61	542	662	3550	2.4							0.2
CA	Carrizo plains5	Topaz solar Stipa	7.5	3	35	370	473	3980	2.7							0.1
CA	Carrizo plains6	Topaz solar Stipa	6.1	7	130	468	431	1640	2.3							0.3
CA	Central coast1	Velt sand dunes	6.0	8	6	17	168	35	x							4.8
CA	Central coast2	Native plants grow	6.0	12	12	54	378	52								7.3
CA	Central coast2	Velt sand dunes	6.2	8	11	49	346	60	x							5.8
CA	Central coast3	Native plants grow	7.2	8	7	17	234	32								7.3
CA	Central coast4	Riparian thistles	7.5	21	36	559	3750	701								5.3
CA	Central coast5	Mugwort	7.2	31	25	509	4000	707								5.7
CA	Central coast6	Thistle mulch	6.8	26	49	464	3000	513								5.8
CA	Central coast7	Spineflower ref.	6.3	15	7	94	525	111								6.5
CA	Central coast8	Mugwort mulch	6.7	61	66	621	2910	488								6.0
CA	Central coast9	Doveweed	6.6	13	10	78	2140	1190	9.1							1.8
CA	El Cerrito - School	Madera #1	6.5	11	42	31	458	1080	x							0.4
CA	El Cerrito - School	Madera #2	6.7	10	15	61	292	1070	x							0.3
CA	El Cerrito - Val's	Arlington #1	6.2	17	15	44	1050	467	x							2.2

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	El Cerrito - Val's	Arlington #2	6.4	16	26	47	645	626	x							1.0
CA	Elkhorn SC tarpl.	Mustard	7.4	80	17	113	1890	2130	x							0.9
CA	ElkhornSC tarpl.	Tarplant test	5.4	97	7	236	1209	489	x	0.9	4.0	3	45	0.09	1.9	2.5
CA	Gilroy	Red Brome	7.5	14	35	187	841	97	4.1	0.0	0.0	0	0	0.00	0.0	8.7
CA	Grapevine ripgut	milkweed patch	6.3	23	67	190	1610	315	x							5.1
CA	HMB Drury	Bare leach field	4.8	9	14	240	1770	1770	3.3							1.0
CA	HMB Drury	Behind parking	5.1	8	42	150	2130	1490	5.4							1.4
CA	HMB Drury	Eroded subsoil	7.1	6	21	130	2480	1050	0.8							2.4
CA	HMB Drury	Fescue	5.0	11	46	180	2170	1510	9.6							1.4
CA	HMB Drury	Fescue above gully	5.1	6	14	120	1420	1420	3.4							1.0
CA	HMB Drury	Fescue fair-good	5.5	4	7	100	2640	1020	5.3							2.6
CA	HMB Drury	Fescue poor	5.1	7	25	160	2470	1780	5.2							1.4
CA	HMB Drury	Good soil behind hs	6.1	7	5	110	1380	1380	2.6							1.0
CA	HMB Drury	Good soil slide	5.0	15	15	170	1970	1340	1.1							1.5
CA	HMB Drury	Gully side house	4.9	17	25	130	1860	1520	0.2							1.2
CA	HMB Drury	Poor subsoil slide	5.5	28	22	150	2140	1630	1.1							1.3
CA	HMB Drury	Road cut nr. Grove	5.0	12	30	210	1760	1760	1.7							1.0
CA	HMB Drury	Roadway below bar	4.8	9	22	160	1990	1990	0.4							1.0
CA	Hood-Franklin	near S. cernua	7.2	54	40	601	1920	119	9.9	0.0	0.0	0	0	0.00	0.0	16.1
CA	Hood-Franklin	no milkwd 3"away	6.3	21	63	168	1200	324	x							3.7
CA	Hwy 46 PM 26	Indian ricegrass	7.4	7	30	339	229	49	0.7	0.0	0.0	0	0	0.00	0.0	4.7
CA	Hwy 58 and 395	Stinkwort	7.1	12	1	500	1750	353	6.7							5.0
CA	I-280-Page Mill Rd	Stipa	6.8	10	27	456	3220	797	8.7							4.0

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CA	I-505/14 ave.	Evening primrose	7.7	7	25	287	5130	127	5.3							40.4
CA	Kims LAH	Good tarplants	6.4	213	29	832	1457	387	x	1.6	6.0	66	42	0.24	12.2	3.8
CA	Kims LAH	Melica poor	6.9	28	33	500	2838	669	x	2.5	3.0	6	77	0.32	0.9	4.2
CA	Kims LAH	Poor tarplants	7.0	22	27	507	2245	430	x	x	x	x	x	x	x	5.2
CA	Kims LAH	Poppies Good	6.5	18	95	839	1766	730	x	2.4	5.0	19	114	0.26	0.7	2.4
CA	Kims LAH	Poppies good	5.7	117	131	278	2226	584	x	x						3.8
CA	Kims LAH	Poppies poor	7.5	28	76	1030	2523	765	x	x						3.3
CA	Kims LAH	Poppies poor	7.1	23	96	1011	2928	775	x	3.8	23.0	11	80	0.66	1.0	3.8
CA	Kims LAH	Poppies rich	6.2	216	49	2180	1966	469	x	x						4.2
CA	La Honda	Slide meadow	6.9	5	15	326	2360	681	x							3.5
CA	Leslie	Miners poor	6.6	23	32	357	2460	280	x	1.3	6.0	5	68	0.13	0.5	8.8
CA	Lodi	Biocrust	7.5	48	75	425	1430	340	4.5							4.2
CA	Lodi	No biocrust	6.5	99	48	280	1740	306	4.6							5.7
CA	Los Trancos	Rat tail fescue	x	19	12	106	781	225	x	0.9	1.0	6	24	0.06	0.6	3.5
CA	Los Trancos	Wild oats	x	30	19	363	1556	268	x	1.4	3.0	8	38	0.06	0.5	5.8
CA	Los Trancos ideal	Buck meadow	x	50	25	100	1600	250	x	1.0	10.0	10	40	0.12	3.0	6.4
CA	Manuella Seagr	Pre-mulch	6.5	19	1	113	934	482	4.8							1.9
CA	Napa W. Reinhardt	Biocrust-	6.3	6	15	40	672	158	x							4.3
CA	Napa W. Reinhardt	Biocrust+	6.5	7	4	48	1000	191	x							5.2
CA	Orinda Bill	Corral East	6.3	13	9	262	3550	706	x							5.0
CA	Orinda Bill	Corral West	6.4	7	19	222	3220	783	x							4.1
CA	Orinda Bill	Driveway East	6.7	5	31	232	4070	526	x							7.7
CA	Orinda Bill	Driveway West	6.3	4	31	303	3320	326	x							10.2

LOCATIONS

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Orinda Bill	Meadow	6.0	5	10	215	3060	764	x							4.0
CA	Orinda Bill	Oak Hill	5.8	5	8	276	3330	734	x							4.5
CA	Orinda Sandy	Knoll	6.3	7	26	255	2650	682	2.5							3.9
CA	Orinda Sandy	Walnut orchard	6.1	5	25	343	2170	483	x							4.5
CA	Page Mill	Dove weed	7.4	22	32	269	2720	214	x							12.7
CA	Petaluma serp	Wild oats	5.6	10	10	93	456	202	x							2.3
CA	Portola V. Meredith	Bird house chem	6.8	71	16	811	725	751	x	2.1	1.3	20	1.4	1.20	59.7	1.0
CA	Portola V. Meredith	Bird house organic	6.8	26	27	202	1403	208	x	1.4	1.3	7.1	34	0.20	14.8	6.7
CA	Portola V. Meredith	Deer statue	6.9	31	18	419	1346	279	x	1.1	7.0	82	21	0.14	2.7	4.8
CA	Portola V. Meredith	Original plot	6.8	48	6	1554	1455	658	x	2.0	7.0	35	49	0.23	3.7	2.2
CA	Portola V. Meredith	Vulpia chick poop	5.6	725	427	5041	1101	622	x	38.8	43.0	99	59	14.40	98.8	1.8
CA	Portola V. Meredith	Vulpia plot	6.1	133	23	233	724	154	x	1.0	2.0	60	21	0.15	43.2	4.7
CA	PV Spr Down	Poppy, tidy tip	7.3	26	16	168	1320	156	x							8.5
CA	Santa Cruz Paul's	Add 14# chick/100sf	6.0	21	38	207	1140	284	x	6K						4.0
CA	Santa Cruz Paul's	Add 20# chick/100 sf	6.8	28	51	230	1200	300	x	8.6K						4.0
CA	Santa Cruz Paul's	Add 4# Blood/18 sf	7.1	41	45	339	1650	373	10K	1.3	2.0	12	31	0.04	1.3	4.4
CA	Santa Cruz Paul's	Add 40# chic/100 sf	6.5	168	123	415	2010	473	x							4.2
CA	Santa Cruz Paul's	Add 40# chic/150 sf	6.4	59	40	244	1960	435								4.5
CA	Santa Cruz Paul's	Add 5# lime/100 sf	6.2	11	8	390	1090	335	x							3.3
CA	Santa Cruz Paul's	Blood meal add 3#	6.2	7	31	132	1030	264	x							3.9
CA	Santa Cruz Paul's	Poppies no fert	5.8	8	11	151	808	308	x							2.6
CA	Santa Cruz tarpl	Airport Danthonia	6.3	27	20	111	1363	187	x	1.0	5.0	10	40	0.25	2.8	7.3

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Santa Cruz tarpl	Airport good	5.6	56	27	51	1196	215	x	1.0	4.0	9	36	0.40	2.8	5.6
CA	Santa Cruz tarpl	Arana Gulch Ideal	6.5	156	40	77	988	125	x	1.0	4.0	6	28	0.15	4.0	7.9
CA	Santa Cruz tarpl	Arana max 2013	6.2	115	38	467	2899	682	x	0.0	0.0	0	0	0.00		4.3
CA	Santa Cruz tarpl	Arana mean 2013	5.0	87	13	202	622	137	x	0.0	0.0	0	0	0.00		4.5
CA	Santa Cruz tarpl	Arana mean 2018	4.8	13	7	209	629	120	x	0.0	0.0	0	0	0.00		5.2
CA	Santa Cruz tarpl	Arana min 2013	4.4	59	3	88	440	91	x	0.0	0.0	0	0	0.00		4.8
CA	Santa Cruz tarpl	Armony	5.6	56	27	248	1196	215	x	1.0	4.0	9	3	0.25	3.0	5.6
CA	Santa Cruz tarpl	Armory	4.8	11	23	238	2223	357	x	2.0	7.0	27	158	0.05	3.0	6.2
CA	Santa Cruz tarpl	Elkhorn roadside	5.4	97	23	236	1727	489	x	1.0	5.0	10	50	0.30	3.2	3.5
CA	Santa Cruz tarpl	Max #A 2018	5.0	20	7	436	786	209	x	x	x	35	253	0.16	x	3.8
CA	Santa Cruz tarpl	Max #B 2018	5.3	13	19	392	622	143	x	x	x	19	108	0.09		4.3
CA	Santa Cruz tarpl	Max #C 2018	5.5	15	8	353	769	128	x	x	x	24	184	0.13		6.0
CA	Santa Cruz tarpl	Max #D 2018	5.2	21	5	180	620	103	x	x	x	22	146	0.10		6.0
CA	Santa Cruz tarpl	Min #A 2018	4.4	12	3	42	587	109	x	x	x	16	72	0.08		5.4
CA	Santa Cruz tarpl	Min #B 2018	4.6	9	10	237	532	115	x	x	x	12	75	0.07		4.6
CA	Santa Cruz tarpl	Min #C 2018	4.5	11	3	166	553	77	x	x	x	18	68	0.08		7.2
CA	Santa Cruz tarpl	Min #D 2018	4.4	10	3	74	459	75	x	x	x	15	86	0.07		6.1
CA	Santa Cruz tarpl	Tarplant Hill	4.7	50	32	508	1930	434	x	1.0	6.0	60	91	0.28	3.2	4.4
CA	Shaw's	Poor	5.6	14	1	130	700	394	x							1.8
CA	Shaws	Burn	5.0	14	13	240	710	246	x							2.9
CA	Shaws	Good Stipa	5.3	11	3	120	740	254	x							2.9
CA	Shaws	Gully soil	5.9	9	1	30	780	704	x							1.1
CA	Shaws	Non-Stipa soil	5.3	13	5	140	790	210	x							3.8

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Shaws	Stipa reference	5.4	21	14	190	940	338	x							2.8
CA	SLO County	Spineflower thesh	6.3	15	7	94	525	111	0.6	x	x	x	x	x	x	4.7
CA	Somona County	Stipa threshold	6.3	36	27	681	1900	567	23.4	x	x	x	x	x	x	3.4
CA	Soquel - Amigo Rd	R. Rafael 1	5.2	48	9	180	1210	306	2.5							4.0
CA	Soquel - Amigo Rd	R. Rafael 2	5.4	60	16	240	1170	415	2.2							2.8
CA	Stanford	Avena good	6.7	8	31	298	1887	378	7.0	1.9	3.0	22	22	0.07	0.6	5.0
CA	Stanford	Filaree	5.8	11	18	245	1578	756	8.0	1.5	3.0	53	59	0.14	0.9	2.1
CA	Stanford	Good Stipa	7.0	7	17	135	1995	285	4.0	1.3	1.0	17	18	0.05	0.4	7.0
CA	Stanford	Medusa	6.1	14	26	212	1843	326	9.0	2.0	4.0	49	52	0.10	1.1	5.7
CA	Stanford	Melica test	6.6	10	21	349	2923	352	8.0	2.6	2.0	35	35	0.08	1.0	8.3
CA	Stanford	No Stipa	6.4	8	25	164	2218	356	6.0	1.5	2.0	32	25	0.09	0.6	6.2
CA	Stanford	Solid mustards	7.0	7	25	204	1999	325	5.0	2.0	1.0	26	31	0.12	1.6	6.2
CA	Stanford	Thistles	7.2	16	29	445	5819	332	14.0	2.7	3.0	30	27	0.12	1.5	17.5
CA	Tarplant Hill Wat	Tarplant should be	6.5	50	32	145	1930	255	x	1.4	6.0	12	54	0.28	3.2	7.6
CA	Tarplant Hill Wat	Tarplant test	4.7	25	16	508	1158	434	x	1.5	5.0	60	91	0.11	1.9	2.7
CA	Twissleman	Red Brome	7.3	27	66	435	2350	290	14.7	0.0	0.0	0	0	0.00	0.0	8.1
CA	Twissleman 2-3"	under Red Brome	7.7	7	30	314	1370	205	4.7	0.0	0.0	0	0	0.00	0.0	6.7
CA	Village H carb.seq	Sprite WO 2-4"	5.8	4	15	78	1010	207	6.9							4.9
CA	Village H carb.seq	Sprite WO top 2"	5.9	5	30	191	1280	248	7.6							5.2
CA	Village Hill test A	Town Woodside	7.5	7	3	113	3220	443	x	1.2	2.0	1	5	0.04	0.4	7.3
CA	Village Hill test B	Town Woodside	7.3	8	2	79	3042	291	x	1.7	3.0	1	5	0.03	0.3	10.5
CA	Watsonv Air SCT	Tarpl should be	6.5	27	20	111	1363	187	x	1.1	5.0	10	40	0.25	2.8	7.3
CA	Watsonv Air SCT	Tarplant test	6.4	9	2	111	818	506	x	0.7	2.0	3	16	0.05	1.4	1.6
CA	Watsonv Good	Tarplant should be	6.5	40	27	102	1196	165	x	0.9	3.3	7.5	36	0.40	2.8	7.2
CA	Woodside	Merediths Brome	6.3	16	63	315	3330	328	x						11	10.2
CA	Woodside	Merediths Stipa	5.8	16	49	82	1770	567	x						22	3.1

Nitrogen ppm sorted

St	Site	What tested	pH	N	P	K	Ca	Mg	OM% Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Carrizo plains3	Topaz solar Stipa	6.0	2	61	239	518	1650	1.5						0.3
CA	Carrizo plains1	Topaz solar Stipa	7.7	3	48	511	474	3880	2.0						0.1
CA	Carrizo plains1	Topaz solar Stipa	7.4	3	56	573	1750	4220	2.5						0.4
CA	Carrizo plains2	Topaz solar Stipa	7.4	3	53	507	1450	4180	2.3						0.3
CA	Carrizo plains4	Topaz solar Stipa	7.1	3	61	542	662	3550	2.4						0.2
CA	Carrizo plains5	Topaz solar Stipa	7.5	3	35	370	473	3980	2.7						0.1
CA	Cañada College	Poppies	7.0	4	11	116	4690	1340	x						3.5
CA	HMB Drury	Fescue fair-good	5.5	4	7	100	2640	1020	5.3						2.6
CA	Orinda Bill	Driveway West	6.3	4	31	303	3320	326	x						10.2
CA	Village H carb.seq	Sprite WO 2-4"	5.8	4	15	78	1010	207	6.9						4.9
CA	La Honda	Slide meadow	6.9	5	15	326	2360	681	x						3.5
CA	Orinda Bill	Driveway East	6.7	5	31	232	4070	526	x						7.7
CA	Orinda Bill	Meadow	6.0	5	10	215	3060	764	x						4.0
CA	Orinda Bill	Oak Hill	5.8	5	8	276	3330	734	x						4.5
CA	Orinda Sandy	Walnut orchard	6.1	5	25	343	2170	483	x						4.5
CA	Village H carb.seq	Sprite WO top 2"	5.9	5	30	191	1280	248	7.6						5.2
CA	HMB Drury	Eroded subsoil	7.1	6	21	130	2480	1050	0.8						2.4
CA	HMB Drury	Fescue above gully	5.1	6	14	120	1420	1420	3.4						1.0
CA	Napa W. Reinhardt	Biocrust-	6.3	6	15	40	672	158	x						4.3
CA	Cañada College	Lotus ideal	5.9	7	17	162	678	2400	15.9						0.3
CA	Carrizo plains6	Topaz solar Stipa	6.1	7	130	468	431	1640	2.3						0.3
CA	HMB Drury	Fescue poor	5.1	7	25	160	2470	1780	5.2						1.4
CA	HMB Drury	Good soil behind hs	6.1	7	5	110	1380	1380	2.6						1.0
CA	Hwy 46 PM 26	Indian ricegrass	7.4	7	30	339	229	49	0.7	0.0	0.0	0	0	0.00	4.7
CA	I-505/14 ave.	Evening primrose	7.7	7	25	287	5130	127	5.3						40.4
CA	Napa W. Reinhardt	Biocrust+	6.5	7	4	48	1000	191	x						5.2

St	Site	What tested	pH	N	P	K	Ca	Mg	OM% Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Orinda Bill	Corral West	6.4	7	19	222	3220	783	x						4.1
CA	Orinda Sandy	Knoll	6.3	7	26	255	2650	682	2.5						3.9
CA	Santa Cruz Paul's	Blood meal add 3#	6.2	7	31	132	1030	264	x						3.9
CA	Stanford	Good Stipa	7.0	7	17	135	1995	285	4.0	1.3	1.0	17	18	0.05	7.0
CA	Stanford	Solid mustards	7.0	7	25	204	1999	325	5.0	2.0	1.0	26	31	0.12	6.2
CA	Twissleman 2-3"	under Red Brome	7.7	7	30	314	1370	205	4.7	0.0	0.0	0	0	0.00	6.7
CA	Village Hill test A	Town Woodside	7.5	7	3	113	3220	443	x	1.2	2.0	1	5	0.04	7.3
CA	Central coast1	Velt sand dunes	6.0	8	6	17	168	35	x						4.8
CA	Central coast2	Velt sand dunes	6.2	8	11	49	346	60	x						5.8
CA	Central coast3	Native plants grow	7.2	8	7	17	234	32							7.3
CA	HMB Drury	Behind parking	5.1	8	42	150	2130	1490	5.4						1.4
CA	Santa Cruz Paul's	Poppies no fert	5.8	8	11	151	808	308	x						2.6
CA	Stanford	Avena good	6.7	8	31	298	1887	378	7.0	1.9	3.0	22	22	0.07	5.0
CA	Stanford	No Stipa	6.4	8	25	164	2218	356	6.0	1.5	2.0	32	25	0.09	6.2
CA	Village Hill test B	Town Woodside	7.3	8	2	79	3042	291	x	1.7	3.0	1	5	0.03	10.5
CA	HMB Drury	Bare leach field	4.8	9	14	240	1770	1770	3.3						1.0
CA	HMB Drury	Roadway below bar	4.8	9	22	160	1990	1990	0.4						1.0
CA	Santa Cruz tarpl	Min #B 2018	4.6	9	10	237	532	115	x	x	x	12	75	0.07	4.6
CA	Shaws	Gully soil	5.9	9	1	30	780	704	x						1.1
CA	Watsonv Air SCT	Tarplant test	6.4	9	2	111	818	506	x	0.7	2.0	3	16	0.05	1.6
CA	Albany Hill	Peggies Park	7.1	10	35	108	2400	367	x						6.5
CA	Calimesa	Wild oats	7.1	10	33	77	1620	519	5.2	0.0	0.0	0	0	0.00	3.1
CA	Cañada College	Grass plot	6.4	10	16	251	1880	404	x						4.7
CA	El Cerrito - School	Madera #2	6.7	10	15	61	292	1070	x						0.3
CA	I-280-Page Mill Rd	Stipa	6.8	10	27	456	3220	797	8.7						4.0
CA	Petaluma serp	Wild oats	5.6	10	10	93	456	202	x						2.3

St	Site	What tested	pH	N	P	K	Ca	Mg	OM% Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Santa Cruz tarpl	Min #D 2018	4.4	10	3	74	459	75	x	x	x	15	86	0.07	6.1
CA	Stanford	Melica test	6.6	10	21	349	2923	352	8.0	2.6	2.0	35	35	0.08	8.3
CA	Armory SC tarpl	Tarplant test	4.8	11	23	248	2223	357	x	2.0	7.0	27	158	0.05	6.2
CA	El Cerrito - School	Madera #1	6.5	11	42	31	458	1080	x						0.4
CA	HMB Drury	Fescue	5.0	11	46	180	2170	1510	9.6						1.4
CA	Santa Cruz Paul's	Add 5# lime/100 sf	6.2	11	8	390	1090	335	x						3.3
CA	Santa Cruz tarpl	Armory	4.8	11	23	238	2223	357	x	2.0	7.0	27	158	0.05	6.2
CA	Santa Cruz tarpl	Min #C 2018	4.5	11	3	166	553	77	x	x	x	18	68	0.08	7.2
CA	Shaws	Good Stipa	5.3	11	3	120	740	254	x						2.9
CA	Stanford	Filaree	5.8	11	18	245	1578	756	8.0	1.5	3.0	53	59	0.14	2.1
CA	Anita's Condos	Wild oats, ripgut	7.3	12	16	145	3750	305	10.4						0.1
CA	Cañada College	Lotus good	6.7	12	22	171	3720	1130	9.0						3.3
CA	Central coast2	Native plants grow	6.0	12	12	54	378	52							7.3
CA	HMB Drury	Road cut nr. Grove	5.0	12	30	210	1760	1760	1.7						1.0
CA	Hwy 58 and 395	Stinkwort	7.1	12	1	500	1750	353	6.7						5.0
CA	Santa Cruz tarpl	Min #A 2018	4.4	12	3	42	587	109	x	x	x	16	72	0.08	5.4
CA	Central coast9	Doveweed	6.6	13	10	78	2140	1190	9.1						1.8
CA	Orinda Bill	Corral East	6.3	13	9	262	3550	706	x						5.0
CA	Santa Cruz tarpl	Arana mean 2018	4.8	13	7	209	629	120	x	0.0	0.0	0	0	0.00	5.2
CA	Santa Cruz tarpl	Max #B 2018	5.3	13	19	392	622	143	x	x	x	19	108	0.09	4.3
CA	Shaws	Non-Stipa soil	5.3	13	5	140	790	210	x						3.8
CA	Alpine Road	Heterotheca	7.3	14	46	479	3710	317	x						11.7
CA	Cal I-10	Sahara mustard	7.6	14	18	128	519	46	2.7						11.3
CA	Cañada College	Pur. Needlegrass	6.9	14	16	204	2810	911							3.1
CA	Gilroy	Red Brome	7.5	14	35	187	841	97	4.1	0.0	0.0	0	0	0.00	8.7

Nitrogen ppm sorted

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Shaw's	Poor	5.6	14	1	130	700	394	x							1.8
CA	Shaws	Burn	5.0	14	13	240	710	246	x							2.9
CA	Stanford	Medusa	6.1	14	26	212	1843	326	9.0	2.0	4.0	49	52	0.10	1.1	5.7
CA	Cañada College	Lotus min. fertilized	6.7	15	61	323	1410	1100	17.0							1.3
CA	Central coast7	Spineflower ref.	6.3	15	7	94	525	111								6.5
CA	HMB Drury	Good soil slide	5.0	15	15	170	1970	1340	1.1							1.5
CA	Santa Cruz tarpl	Max #C 2018	5.5	15	8	353	769	128	x	x	x	24	184	0.13		6.0
CA	SLO County	Spineflower thesh	6.3	15	7	94	525	111	0.6	x	x	x	x	x	x	4.7
CA	El Cerrito - Val's	Arlington #2	6.4	16	26	47	645	626	x							1.0
CA	Stanford	Thistles	7.2	16	29	445	5819	332	14.0	2.7	3.0	30	27	0.12	1.5	17.5
CA	Woodside	Merediths Brome	6.3	16	63	315	3330	328	x						11	10.2
CA	Woodside	Merediths Stipa	5.8	16	49	82	1770	567	x						22	3.1
CA	Arana Gulch	SC tarplant test	5.2	17	14	176	790	202	x	1.0	2.0	15	53	0.11	0.4	3.9
CA	Cañada College	Weed clover thresh	6.6	17	29	182	3200	927	10.3							3.5
CA	El Cerrito - Val's	Arlington #1	6.2	17	15	44	1050	467	x							2.2
CA	HMB Drury	Gully side house	4.9	17	25	130	1860	1520	0.2							1.2
CA	Kims LAH	Poppies Good	6.5	18	95	839	1766	730	x		2.4	5.0	19	114	0.26	0.7
CA	Albany Hill	Bench meadow	6.9	19	34	100	1200	186	7.9							6.5
CA	Biocrust -	Sutter Buttes	5.8	19	24	193	766	270	6.5							2.8
CA	Biocrust +	Sutter Buttes	5.3	19	31	231	704	239	7.5							2.9
CA	Los Trancos	Rat tail fescue	x	19	12	106	781	225	x	0.9	1.0	6	24	0.06	0.6	3.5
CA	Manuella Seagr	Pre-mulch	6.5	19	1	113	934	482	4.8							1.9
CA	Albany Hill	MCM test plot	6.3	20	57	261	1310	313	12.3							4.2
CA	Antioch dunes	Filaree	7.2	20	41	163	1380	179	8.6							0.1
CA	Santa Cruz tarpl	Max #A 2018	5.0	20	7	436	786	209	x	x	x	35	253	0.16	x	3.8

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Central coast4	Riparian thistles	7.5	21	36	559	3750	701								5.3
CA	Hood-Franklin	no milkwd 3"away	6.3	21	63	168	1200	324	x							3.7
CA	Santa Cruz Paul's	Add 14# chick/100sf	6.0	21	38	207	1140	284	x	6K						4.0
CA	Santa Cruz tarpl	Max #D 2018	5.2	21	5	180	620	103	x	x	x	22	146	0.10		6.0
CA	Shaws	Stipa reference	5.4	21	14	190	940	338	x							2.8
CA	Kims LAH	Poor tarplants	7.0	22	27	507	2245	430	x	x	x	x	x	x	x	5.2
CA	Page Mill	Dove weed	7.4	22	32	269	2720	214	x							12.7
CA	Biocrust +	Parish Road	6.1	23	34	616	1220	369	8.0							3.3
CA	Biocrust+	Dunnigan Ave 14	6.3	23	42	417	2180	861	16.1							2.5
CA	Grapevine ripgut	milkweed patch	6.3	23	67	190	1610	315	x							5.1
CA	Kims LAH	Poppies poor	7.1	23	96	1011	2928	775	x	3.8	23.0	11	80	0.66	1.0	3.8
CA	Leslie	Miners poor	6.6	23	32	357	2460	280	x	1.3	6.0	5	68	0.13	0.5	8.8
CA	Tarplant Hill Wat	Tarplant test	4.7	25	16	508	1158	434	x	1.5	5.0	60	91	0.11	1.9	2.7
CA	Central coast6	Thistle mulch	6.8	26	49	464	3000	513								5.8
CA	Portola V. Meredith	Bird house organic	6.8	26	27	202	1403	208	x	1.4	1.3	7.1	34	0.20	14.8	6.7
CA	PV Spr Down	Poppy, tidy tip	7.3	26	16	168	1320	156	x							8.5
CA	Albany Hill	tests Weeds	6.7	27	71	364	1680	454	13.2							3.7
CA	Santa Cruz tarpl	Airport Danthonia	6.3	27	20	111	1363	187	x	1.0	5.0	10	40	0.25	2.8	7.3
CA	Twissleman	Red Brome	7.3	27	66	435	2350	290	14.7	0.0	0.0	0	0	0.00	0.0	8.1
CA	Watsonv Air SCT	Tarpl should be	6.5	27	20	111	1363	187	x	1.1	5.0	10	40	0.25	2.8	7.3
CA	Arastradero	Poppies poor	x	28	76	1030	x	x								
CA	HMB Drury	Poor subsoil slide	5.5	28	22	150	2140	1630	1.1							1.3
CA	Kims LAH	Melica poor	6.9	28	33	500	2838	669	x	2.5	3.0	6	77	0.32	0.9	4.2
CA	Kims LAH	Poppies poor	7.5	28	76	1030	2523	765	x	x						3.3

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Santa Cruz Paul's	Add 20# chick/100 sf	6.8	28	51	230	1200	300	x	8.6K						4.0
CA	Albany Hill	tests Claytonia	6.8	30	58	521	1190	354	13.5						2.3	3.4
CA	Arastradero	Wild Oats best	6.1	30	25	389	2105	687	x	5.0	4.0	29	156	0.21	0.9	3.1
CA	Los Trancos	Wild oats	x	30	19	363	1556	268	x	1.4	3.0	8	38	0.06	0.5	5.8
CA	Biocrust -	Parish Road	6.7	31	17	357	1470	347	6.7							4.2
CA	Central coast5	Mugwort	7.2	31	25	509	4000	707								5.7
CA	Portola V. Meredith	Deer statue	6.9	31	18	419	1346	279	x	1.1	7.0	82	21	0.14	2.7	4.8
CA	Albany Hill	tests Solidago	6.4	34	42	565	1510	484	13.2							3.1
CA	Arana Gulch	SC Tarplants ideal	6.5	35	21	77	988	125	x	0.4	4.0	6	28	0.28	4.0	7.9
CA	Somona County	Stipa threshold	6.3	36	27	681	1900	567	23.4	x	x	x	x	x	x	3.4
CA	Arastradero	Red brome	x	37	26	405	x	x								
CA	Askok	Red Brome	7.1	37	26	405	3067	549	x	2.6	4.0	11	44	0.23	0.5	5.6
CA	Cañada College	Bare chert	6.0	37	17	195	1940	415								4.7
CA	Watsonv Good	Tarplant should be	6.5	40	27	102	1196	165	x	0.9	3.3	7.5	36	0.40	2.8	7.2
CA	Arastradro	Ripgut weed	5.7	41	16	241	2123	726	x	2.5	5.0	37	92	0.11	1.0	2.9
CA	Santa Cruz Paul's	Add 4# Blood/18 sf	7.1	41	45	339	1650	373	10K	1.3	2.0	12	31	0.04	1.3	4.4
CA	Arastradero	Foxtails exotic	7.2	47	46	397	3574	422	x	2.3	7.0	8	77	0.08	0.8	8.5
CA	Lodi	Biocrust+	7.5	48	75	425	1430	340	4.5							4.2
CA	Portola V. Meredith	Original plot	6.8	48	6	1554	1455	658	x	2.0	7.0	35	49	0.23	3.7	2.2
CA	Soquel - Amigo Rd	R. Rafael 1	5.2	48	9	180	1210	306	2.5							4.0
CA	Los Trancos ideal	Buck meadow	x	50	25	100	1600	250	x	1.0	10.0	10	40	0.12	3.0	6.4
CA	Santa Cruz tarpl	Tarplant Hill	4.7	50	32	508	1930	434	x	1.0	6.0	60	91	0.28	3.2	4.4
CA	Tarplant Hill Wat	Tarplant should be	6.5	50	32	145	1930	255	x	1.4	6.0	12	54	0.28	3.2	7.6
CA	Arastradero	Brome car. Okay	5.5	52	40	862	2254	736	x	5.3	5.0	49	179	0.34	2.3	3.1
CA	Hood-Franklin	near S. cernua	7.2	54	40	601	1920	119	9.9	0.0	0.0	0	0	0.00	0.0	16.1

Nitrogen ppm sorted

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Armory SC tarpl	Tarplants should be	6.6	55	30	207	2470	357	x	2.0	7.8	17	75	0.25	3.0	6.9
CA	Santa Cruz tarpl	Airport good	5.6	56	27	51	1196	215	x	1.0	4.0	9	36	0.40	2.8	5.6
CA	Santa Cruz tarpl	Armony	5.6	56	27	248	1196	215	x	1.0	4.0	9	3	0.25	3.0	5.6
CA	Santa Cruz Paul's	Add 40# chic/150 sf	6.4	59	40	244	1960	435								4.5
CA	Santa Cruz tarpl	Arana min 2013	4.4	59	3	88	440	91	x	0.0	0.0	0	0	0.00		4.8
CA	Soquel - Amigo Rd	R. Rafael 2	5.4	60	16	240	1170	415	2.2							2.8
CA	Central coast8	Mugwort mulch	6.7	61	66	621	2910	488								6.0
CA	Cañada College	IDEAL	6.9	70	35	251	2800	911	!!							3.1
CA	Cañada College	Site 11 unfertilized	6.3	71	17	413	2210	515	x							4.3
CA	Portola V. Meredith	Bird house chem	6.8	71	16	811	725	751	x	2.1	1.3	20	1.4	1.20	59.7	1.0
CA	Elkhorn SC tarpl.	Mustard	7.4	80	17	113	1890	2130	x							0.9
CA	Arastradero	Medusahead	5.8	87	18	360	2438	1195	x	5.0	3.0	116	74	0.20	2.0	2.0
CA	Santa Cruz tarpl	Arana mean 2013	5.0	87	13	202	622	137	x	0.0	0.0	0	0	0.00		4.5
CA	Camp Roberts	Soft chess/Rip	6.5	90	36	248	2820	430	18.2							6.6
CA	ElkhornSC tarpl.	Tarplant test	5.4	97	7	236	1209	489	x	0.9	4.0	3	45	0.09	1.9	2.5
CA	Santa Cruz tarpl	Elkhorn roadside	5.4	97	23	236	1727	489	x	1.0	5.0	10	50	0.30	3.2	3.5
CA	Lodi	No biocrust	6.5	99	48	280	1740	306	4.6							5.7
CA	Santa Cruz tarpl	Arana max 2013	6.2	115	38	467	2899	682	x	0.0	0.0	0	0	0.00		4.3
CA	Arastradero	Poppies good	x	117	131	278	X	x								
CA	Kims LAH	Poppies good	5.7	117	131	278	2226	584	x	x						3.8
CA	Cañada College	Weed grass thresh	6.4	126	49	323	4480	999	12.9							4.5
CA	Portola V. Meredith	Vulpia plot	6.1	133	23	233	724	154	x	1.0	2.0	60	21	0.15	43.2	4.7
CA	Cañada College	Max. Filaree Phos	6.7	139	234	146	5490	848	26.2							6.5
CA	Arastradero	Blue Eyed thresh	6.4	156	39	997	2199	616	x	4.2	4.0	33	236	0.15	3.4	3.6
CA	Santa Cruz tarpl	Arana Gulch Ideal	6.5	156	40	77	988	125	x	1.0	4.0	6	28	0.15	4.0	7.9
CA	Santa Cruz Paul's	Add 40# chic/100 sf	6.5	168	123	415	2010	473	x							4.2
St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Kims LAH	Good tarplants	6.4	213	29	832	1457	387	x	1.6	6.0	66	42	0.24	12.2	3.8
CA	Arastradero	Poppies rich soil	X	216	49	2180	x	x								
CA	Kims LAH	Poppies rich	6.2	216	49	2180	1966	469	x	x						4.2
CA	Cañada College	Max. Filaree Nitro	6.3	238	62	260	4020	678	26.8							5.9
CA	Arastradero	Italian thistles	5.4	349	16	334	2434	820	x	3.7	3.0	16	96	0.13	1.8	3.0
CA	Portola V. Meredith	Vulpia chick poop	5.6	725	427	5041	1101	622	x	38.8	43.0	99	59	14.40	98.8	1.8

Phosphorus ppm sorted

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Shaws	Gully soil	5.9	9	1	30	780	704	x							1.1
CA	Hwy 58 and 395	Stinkwort	7.1	12	1	500	1750	353	6.7							5.0
CA	Shaw's	Poor	5.6	14	1	130	700	394	x							1.8
CA	Manuella Seagr	Pre-mulch	6.5	19	1	113	934	482	4.8							1.9
CA	Village Hill test B	Town Woodside	7.3	8	2	79	3042	291	x	1.7	3.0	1	5	0.03	0.3	10.5
CA	Watsonv Air SCT	Tarplant test	6.4	9	2	111	818	506	x	0.7	2.0	3	16	0.05	1.4	1.6
CA	Village Hill test A	Town Woodside	7.5	7	3	113	3220	443	x	1.2	2.0	1	5	0.04	0.4	7.3
CA	Santa Cruz tarpl	Min #D 2018	4.4	10	3	74	459	75	x	x	x	15	86	0.07		6.1
CA	Santa Cruz tarpl	Min #C 2018	4.5	11	3	166	553	77	x	x	x	18	68	0.08		7.2
CA	Shaws	Good Stipa	5.3	11	3	120	740	254	x							2.9
CA	Santa Cruz tarpl	Min #A 2018	4.4	12	3	42	587	109	x	x	x	16	72	0.08		5.4
CA	Santa Cruz tarpl	Arana min 2013	4.4	59	3	88	440	91	x	0.0	0.0	0	0	0.00		4.8
CA	Napa W. Reinhardt	Biocrust+	6.5	7	4	48	1000	191	x							5.2
CA	HMB Drury	Good soil behind hs	6.1	7	5	110	1380	1380	2.6							1.0
CA	Shaws	Non-Stipa soil	5.3	13	5	140	790	210	x							3.8
CA	Santa Cruz tarpl	Max #D 2018	5.2	21	5	180	620	103	x	x	x	22	146	0.10		6.0
CA	Central coast1	Velt sand dunes	6.0	8	6	17	168	35	x							4.8
CA	Portola V. Meredith	Original plot	6.8	48	6	1554	1455	658	x	2.0	7.0	35	49	0.23	3.7	2.2
CA	HMB Drury	Fescue fair-good	5.5	4	7	100	2640	1020	5.3							2.6
CA	Central coast3	Native plants grow	7.2	8	7	17	234	32								7.3
CA	Santa Cruz tarpl	Arana mean 2018	4.8	13	7	209	629	120	x	0.0	0.0	0	0	0.00		5.2
CA	Central coast7	Spineflower ref.	6.3	15	7	94	525	111								6.5
CA	SLO County	Spineflower thesh	6.3	15	7	94	525	111	0.6	x	x	x	x	x	x	4.7
CA	Santa Cruz tarpl	Max #A 2018	5.0	20	7	436	786	209	x	x	x	35	253	0.16	x	3.8
CA	ElkhornSC tarpl.	Tarplant test	5.4	97	7	236	1209	489	x	0.9	4.0	3	45	0.09	1.9	2.5

Phosphorus ppm sorted

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Orinda Bill	Oak Hill	5.8	5	8	276	3330	734	x							4.5
CA	Santa Cruz Paul's	Add 5# lime/100 sf	6.2	11	8	390	1090	335	x							3.3
CA	Santa Cruz tarpl	Max #C 2018	5.5	15	8	353	769	128	x	x	x	24	184	0.13		6.0
CA	Orinda Bill	Corral East	6.3	13	9	262	3550	706	x							5.0
CA	Soquel - Amigo Rd	R. Rafael 1	5.2	48	9	180	1210	306	2.5							4.0
CA	Orinda Bill	Meadow	6.0	5	10	215	3060	764	x							4.0
CA	Santa Cruz tarpl	Min #B 2018	4.6	9	10	237	532	115	x	x	x	12	75	0.07		4.6
CA	Petaluma serp	Wild oats	5.6	10	10	93	456	202	x							2.3
CA	Central coast9	Doveweed	6.6	13	10	78	2140	1190	9.1							1.8
CA	Cañada College	Poppies	7.0	4	11	116	4690	1340	x							3.5
CA	Central coast2	Velt sand dunes	6.2	8	11	49	346	60	x							5.8
CA	Santa Cruz Paul's	Poppies no fert	5.8	8	11	151	808	308	x							2.6
CA	Central coast2	Native plants grow	6.0	12	12	54	378	52								7.3
CA	Los Trancos	Rat tail fescue	x	19	12	106	781	225	x	0.9	1.0	6	24	0.06	0.6	3.5
CA	Shaws	Burn	5.0	14	13	240	710	246	x							2.9
CA	Santa Cruz tarpl	Arana mean 2013	5.0	87	13	202	622	137	x	0.0	0.0	0	0	0.00		4.5
CA	HMB Drury	Fescue above gully	5.1	6	14	120	1420	1420	3.4							1.0
CA	HMB Drury	Bare leach field	4.8	9	14	240	1770	1770	3.3							1.0
CA	Arana Gulch	SC tarplant test	5.2	17	14	176	790	202	x	1.0	2.0	15	53	0.11	0.4	3.9
CA	Shaws	Stipa reference	5.4	21	14	190	940	338	x							2.8
CA	Village H carb.seq	Sprite WO 2-4"	5.8	4	15	78	1010	207	6.9							4.9
CA	La Honda	Slide meadow	6.9	5	15	326	2360	681	x							3.5
CA	Napa W. Reinhardt	Biocrust-	6.3	6	15	40	672	158	x							4.3
CA	El Cerrito - School	Madera #2	6.7	10	15	61	292	1070	x							0.3
CA	HMB Drury	Good soil slide	5.0	15	15	170	1970	1340	1.1							1.5
CA	El Cerrito - Val's	Arlington #1	6.2	17	15	44	1050	467	x							2.2
CA	Cañada College	Grass plot	6.4	10	16	251	1880	404	x							4.7

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Cañada College	Lotus good	6.7	12	22	171	3720	1130	9.0							3.3
CA	HMB Drury	Poor subsoil slide	5.5	28	22	150	2140	1630	1.1							1.3
CA	Armory SC tarpl	Tarplant test	4.8	11	23	248	2223	357	x	2.0	7.0	27	158	0.05	3.0	6.2
CA	Santa Cruz tarpl	Armory	4.8	11	23	238	2223	357	x	2.0	7.0	27	158	0.05	3.0	6.2
CA	Santa Cruz tarpl	Elkhorn roadside	5.4	97	23	236	1727	489	x	1.0	5.0	10	50	0.30	3.2	3.5
CA	Portola V. Meredith	Vulpia plot	6.1	133	23	233	724	154	x	1.0	2.0	60	21	0.15	43.2	4.7
CA	Biocrust -	Sutter Buttes	5.8	19	24	193	766	270	6.5							2.8
CA	Orinda Sandy	Walnut orchard	6.1	5	25	343	2170	483	x							4.5
CA	HMB Drury	Fescue poor	5.1	7	25	160	2470	1780	5.2							1.4
CA	I-505/14 ave.	Evening primrose	7.7	7	25	287	5130	127	5.3							40.4
CA	Stanford	Solid mustards	7.0	7	25	204	1999	325	5.0	2.0	1.0	26	31	0.12	1.6	6.2
CA	Stanford	No Stipa	6.4	8	25	164	2218	356	6.0	1.5	2.0	32	25	0.09	0.6	6.2
CA	HMB Drury	Gully side house	4.9	17	25	130	1860	1520	0.2							1.2
CA	Arastradero	Wild Oats best	6.1	30	25	389	2105	687	x	5.0	4.0	29	156	0.21	0.9	3.1
CA	Central coast5	Mugwort	7.2	31	25	509	4000	707								5.7
CA	Los Trancos ideal	Buck meadow	x	50	25	100	1600	250	x	1.0	10.0	10	40	0.12	3.0	6.4
CA	Orinda Sandy	Knoll	6.3	7	26	255	2650	682	2.5							3.9
CA	Stanford	Medusa	6.1	14	26	212	1843	326	9.0	2.0	4.0	49	52	0.10	1.1	5.7
CA	El Cerrito - Val's	Arlington #2	6.4	16	26	47	645	626	x							1.0
CA	Arastradero	Red brome	x	37	26	405	x	x								
CA	Askok	Red Brome	7.1	37	26	405	3067	549	x	2.6	4.0	11	44	0.23	0.5	5.6
CA	Watsonv Good	Tarplant should be	6.5	40	27	102	1196	165	x	0.9	3.3	7.5	36	0.40	2.8	7.2
CA	I-280-Page Mill Rd	Stipa	6.8	10	27	456	3220	797	8.7							4.0
CA	Kims LAH	Poor tarplants	7.0	22	27	507	2245	430	x	x	x	x	x	x	x	5.2

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Portola V. Meredith	Bird house organic	6.8	26	27	202	1403	208	x	1.4	1.3	7.1	34	0.20	14.8	6.7
CA	Somona County	Stipa threshold	6.3	36	27	681	1900	567	23.4	x	x	x	x	x	x	3.4
CA	Santa Cruz tarpl	Airport good	5.6	56	27	51	1196	215	x	1.0	4.0	9	36	0.40	2.8	5.6
CA	Santa Cruz tarpl	Armony	5.6	56	27	248	1196	215	x	1.0	4.0	9	3	0.25	3.0	5.6
CA	Stanford	Thistles	7.2	16	29	445	5819	332	14.0	2.7	3.0	30	27	0.12	1.5	17.5
CA	Cañada College	Weed clover thresh	6.6	17	29	182	3200	927	10.3							3.5
CA	Kims LAH	Good tarplants	6.4	213	29	832	1457	387	x	1.6	6.0	66	42	0.24	12.2	3.8
CA	Village H carb.seq	Sprite WO top 2"	5.9	5	30	191	1280	248	7.6							5.2
CA	Hwy 46 PM 26	Indian ricegrass	7.4	7	30	339	229	49	0.7	0.0	0.0	0	0	0.00	0.0	4.7
CA	Twissleman 2-3"	under Red Brome	7.7	7	30	314	1370	205	4.7	0.0	0.0	0	0	0.00	0.0	6.7
CA	HMB Drury	Road cut nr. Grove	5.0	12	30	210	1760	1760	1.7							1.0
CA	Armory SC tarpl	Tarplants should be	6.6	55	30	207	2470	357	x	2.0	7.8	17	75	0.25	3.0	6.9
CA	Orinda Bill	Driveway West	6.3	4	31	303	3320	326	x							10.2
CA	Orinda Bill	Driveway East	6.7	5	31	232	4070	526	x							7.7
CA	Santa Cruz Paul's	Blood meal add 3#	6.2	7	31	132	1030	264	x							3.9
CA	Stanford	Avena good	6.7	8	31	298	1887	378	7.0	1.9	3.0	22	22	0.07	0.6	5.0
CA	Biocrust +	Sutter Buttes	5.3	19	31	231	704	239	7.5							2.9
CA	Page Mill	Dove weed	7.4	22	32	269	2720	214	x							12.7
CA	Leslie	Miners poor	6.6	23	32	357	2460	280	x	1.3	6.0	5	68	0.13	0.5	8.8
CA	Santa Cruz tarpl	Tarplant Hill	4.7	50	32	508	1930	434	x	1.0	6.0	60	91	0.28	3.2	4.4
CA	Tarplant Hill Wat	Tarplant should be	6.5	50	32	145	1930	255	x	1.4	6.0	12	54	0.28	3.2	7.6
CA	Calimesa	Wild oats	7.1	10	33	77	1620	519	5.2	0.0	0.0	0	0	0.00	0.0	3.1
CA	Kims LAH	Melica poor	6.9	28	33	500	2838	669	x	2.5	3.0	6	77	0.32	0.9	4.2
CA	Albany Hill	Bench meadow	6.9	19	34	100	1200	186	7.9							6.5
CA	Biocrust +	Parish Road	6.1	23	34	616	1220	369	8.0							3.3

Phosphorus ppm sorted

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Carrizo plains5	Topaz solar Stipa	7.5	3	35	370	473	3980	2.7							0.1
CA	Albany Hill	Peggies Park	7.1	10	35	108	2400	367	x							6.5
CA	Gilroy	Red Brome	7.5	14	35	187	841	97	4.1	0.0	0.0	0	0	0.00	0.0	8.7
CA	Cañada College	IDEAL	6.9	70	35	251	2800	911	!!							3.1
CA	Central coast4	Riparian thistles	7.5	21	36	559	3750	701								5.3
CA	Camp Roberts	Soft chess/Rip	6.5	90	36	248	2820	430	18.2							6.6
CA	Santa Cruz Paul's	Add 14# chick/100sf	6.0	21	38	207	1140	284	x	6K						4.0
CA	Santa Cruz tarpl	Arana max 2013	6.2	115	38	467	2899	682	x	0.0	0.0	0	0	0.00		4.3
CA	Arastradero	Blue Eyed thresh	6.4	156	39	997	2199	616	x	4.2	4.0	33	236	0.15	3.4	3.6
CA	Arastradero	Brome car. Okay	5.5	52	40	862	2254	736	x	5.3	5.0	49	179	0.34	2.3	3.1
CA	Hood-Franklin	near S. cernua	7.2	54	40	601	1920	119	9.9	0.0	0.0	0	0	0.00	0.0	16.1
CA	Santa Cruz Paul's	Add 40# chic/150 sf	6.4	59	40	244	1960	435								4.5
CA	Santa Cruz tarpl	Arana Gulch Ideal	6.5	156	40	77	988	125	x	1.0	4.0	6	28	0.15	4.0	7.9
CA	Antioch dunes	Filaree	7.2	20	41	163	1380	179	8.6							0.1
CA	HMB Drury	Behind parking	5.1	8	42	150	2130	1490	5.4							1.4
CA	El Cerrito - School	Madera #1	6.5	11	42	31	458	1080	x							0.4
CA	Biocrust+	Dunnigan Ave 14	6.3	23	42	417	2180	861	16.1							2.5
CA	Albany Hill	tests Solidago	6.4	34	42	565	1510	484	13.2							3.1
CA	Santa Cruz Paul's	Add 4# Blood/18 sf	7.1	41	45	339	1650	373	10K	1.3	2.0	12	31	0.04	1.3	4.4
CA	HMB Drury	Fescue	5.0	11	46	180	2170	1510	9.6							1.4
CA	Alpine Road	Heterotheca	7.3	14	46	479	3710	317	x							11.7
CA	Arastradero	Foxtails exotic	7.2	47	46	397	3574	422	x	2.3	7.0	8	77	0.08	0.8	8.5
CA	Carrizo plains1	Topaz solar Stipa	7.7	3	48	511	474	3880	2.0							0.1
CA	Lodi	No biocrust	6.5	99	48	280	1740	306	4.6							5.7
CA	Woodside	Merediths Stipa	5.8	16	49	82	1770	567	x						22	3.1

St	Site	What tested	pH	N	P	K	Ca	Mg	OM%	Cu	Zn	Man	Fe	B	Sul	Ca/Mg
CA	Cañada College	Weed grass thresh	6.4	126	49	323	4480	999	12.9							4.5
CA	Kims LAH	Poppies rich	6.2	216	49	2180	1966	469	x	x						4.2
CA	Santa Cruz Paul's	Add 20# chick/100 sf	6.8	28	51	230	1200	300	x	8.6K						4.0
CA	Carrizo plains2	Topaz solar Stipa	7.4	3	53	507	1450	4180	2.3							0.3
CA	Carrizo plains1	Topaz solar Stipa	7.4	3	56	573	1750	4220	2.5							0.4
CA	Albany Hill	MCM test plot	6.3	20	57	261	1310	313	12.3							4.2
CA	Albany Hill	tests Claytonia	6.8	30	58	521	1190	354	13.5						2.3	3.4
CA	Carrizo plains3	Topaz solar Stipa	6.0	2	61	239	518	1650	1.5							0.3
CA	Carrizo plains4	Topaz solar Stipa	7.1	3	61	542	662	3550	2.4							0.2
CA	Cañada College	Lotus min. fertilized	6.7	15	61	323	1410	1100	17.0							1.3
CA	Woodside	Merediths Brome	6.3	16	63	315	3330	328	x						11	10.2
CA	Hood-Franklin	no milkwd 3"away	6.3	21	63	168	1200	324	x							3.7
CA	Twissleman	Red Brome	7.3	27	66	435	2350	290	14.7	0.0	0.0	0	0	0.00	0.0	8.1
CA	Central coast8	Mugwort mulch	6.7	61	66	621	2910	488								6.0
CA	Grapevine ripgut	milkweed patch	6.3	23	67	190	1610	315	x							5.1
CA	Lodi	Biocrust+	7.5	48	75	425	1430	340	4.5							4.2
CA	Kims LAH	Poppies Good	6.5	18	95	839	1766	730	x	2.4	5.0	19	114	0.26	0.7	2.4
CA	Kims LAH	Poppies poor	7.1	23	96	1011	2928	775	x	3.8	23.0	11	80	0.66	1.0	3.8
CA	Santa Cruz Paul's	Add 40# chic/100 sf	6.5	168	123	415	2010	473	x							4.2
CA	Carrizo plains6	Topaz solar Stipa	6.1	7	130	468	431	1640	2.3							0.3
CA	Kims LAH	Poppies good	5.7	117	131	278	2226	584	x	x						3.8
CA	Cañada College	Max. Filaree Phos	6.7	139	234	146	5490	848	26.2							6.5
CA	Portola V. Meredith	Vulpia chick poop 1"	5.6	725	427	5041	1101	622	x	38.8	43.0	99	59	14.40	98.8	1.8



Kite Hill restoration. Bare soil--added fertilizers and mulch, dormant seeds sprouted-no seeds sown. Copyright © 2024 Craig C. Dreemann



SOIL SAMPLE SUBMITTAL FORM

4741 East Hunter Ave. Suite A, Anaheim, CA 92807
Phone (714) 282-8777 - ask for soil testing when you call

COMPANY / NAME: _____

ADDRESS: _____

CITY _____ STATE _____ ZIP _____

ATTENTION: _____ PHONE #: _____

JOB NAME _____ DATE _____

♦ Please indicate your preferred mode of receiving data & reports. Mailed copy required? ☐

EMAIL: _____ or FAX: _____

Additional emails: _____ and _____

♦ payment by ☐ CHECK or credit card is required at the time of service ☐ Amer. Exp, M/C or VISA

If paying by credit card, we will call for your information.

One quart samples taken from the top two inches, sifted through 1/4 inch mesh screen to remove rocks and vegetable matter —

Sample names/locations: Please put these names on your sample bags also!

- 1.) _____
- 2.) _____
- 3.) _____
- 4.) _____
- 5.) _____
- 6.) _____
- 7.) _____

EXISTING LANDSCAPE: Maintenance or Troubleshooting

- ☐ A01 Partial fertility (A17 without micronutrients) -- \$32 each
☐ Organic matter test (optional) -- \$18 each

DATA ONLY, in a bar-graph format

Turnaround time: ☐ NORMAL: 5-7 working days.

(check one)

☐ **RUSH:** 3-5 working days at normal cost **plus 100% of the analytical fee.**

Authorized by : (signature) _____

(print) _____ Date: _____ Rev.