

The GreenSafe System

Proof of Performance

GREEN-SAFE-SOLUTIONS LLC		SALT MITIGATION										Exchangeable				Base			
		Salts		Ratio	Ca	Mg	Na	Cl	SO4	SAR	B	Ca	Mg	K	Na	Ca	Mg	K	Na
Ranch:	BLKS:	pH	E Ce																
Test 1	Before	7.6	1.99	0.86	10.7	4.7	7.7	4.2	15.4	2.8	0.2	2,490	263	176	118	77%	13%	3%	3%
Test 1	After	7.3	2.14	0.76	9.6	4.4	8.3	4.2	15	3.1	0.2	1,804	206	110	145	74%	14%	2%	5%
Compare	Before/After	-3%	8%	-12%	-10%	-6%	8%	1%	-3%	13%	27%	-28%	-22%	-38%	23%	-3%	3%	-18%	62%
Test 2	Before	7.8	2.01	0.83	9.9	3.8	8.2	5.3	9.6	3.1	0.2	1,900	139	105	95	81%	10%	2%	4%
Test 2	After	7.5	1.3	0.71	6	2.7	5.7	2.6	5.8	2.8	0.2	1,900	162	79	70	80%	11%	2%	3%
Compare	Before/After	-3%	-35%	-14%	-40%	-30%	-30%	-51%	-40%	-12%	-11%	0%	17%	-25%	-26%	0%	16%	-25%	-26%
Test 3	Before	7.6	4.69	0.86	31.6	13.6	23.2	16.4	42.6	4.9	0.6	2,600	294	316	241	72%	13%	4%	6%
Test 3	After	7.3	2.01	0.96	11.4	4.7	7.2	3.9	15.1	2.6	0.2	2,150	204	133	97	78%	12%	2%	3%
Compare	Before/After	-3%	-57%	12%	-64%	-66%	-69%	-76%	-65%	-48%	-67%	-17%	-31%	-58%	-60%	8%	-9%	-45%	-48%

NOTES

SoilClean™ was applied at 5-oz/acre diluted in 20-gallons of water

Soil electrical conductivity (EC) is a measure of the amount of salts in soil (salinity of soil). It is an important indicator of soil health. It affects crop yields, crop suitability, plant nutrient availability, and activity of soil microorganisms which influence key soil processes including the emission of greenhouse gases such as nitrogen oxides, methane, and carbon dioxide. Excess salts hinder plant growth by affecting the soil-water balance. Soils containing excess salts occur naturally in arid and semiarid climates. Salt levels can increase as a result of cropping, irrigation, and land management. Although EC does not provide a direct measurement of specific ions or salt compounds, it has been correlated to concentrations of nitrates, potassium, sodium, chloride, sulfate, and ammonia. For certain non-saline soils, determining EC can be a convenient and economical way to estimate the amount of nitrogen (N) available for plant growth. Reference. USDA Report Link

https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_053280.pdf

CONTACT US:

greensafebill@gmail.com

greensafegary@gmail.com

www.greensafeworldwide.com