

PROCAL FIELD TEST TRIALS

D.A. Rennie

Effect of Procal ammendments on yield of crops grown on moderately saline and non-saline soils

Soil Type	Year	Crop	Check Yield (bu/ac)	Rate of Application lb/ac		L.S.D. (P = .05)
				300	500	
Elstow CL	1966	wheat	22.6	21.0	21.6	N.S.
Bigger CL (alk)	1967	wheat	14.1	17.3	12.3	N.S.
Asquith FL (alk)	1967	wheat	17.7	16.9	16.8	N.S.
Forage, tons per acre						
Elstow CL	1966	oats	0.78	0.63	0.78	N.S.

Procal, a product containing primarily calcium sulphate with various contaminates was applied at 300 and 500 lb per acre in field-scale tests laid down on two locations in each of 1966 and 1967. Moderate amounts of salinity were present in the soil at all locations. The yield data given for the three wheat tests and the one forage test support the conclusion that Procal, applied at the rate of application recommended by the distributors, is of no value.