

Different Rates of Nitrogen on Wheat

ROBLIN CWRS Wheat

Nitrogen in the form of 45-0-0 side banded
P, K and S as per soil analysis recommendations

Fort St. John 1997

Rate of Nitrogen added	Average Plot Yield	Yield kg/ha	Yield bu/ac	L.S.D. Test	yield as % of 0 N
120 lb/ac	3449	5748	85	A	144%
80 lb/ac	3408	5680	84	AB	142%
100 lb/ac	3385	5642	84	AB	141%
60 lb/ac	3269	5448	81	B	137%
40 lb/ac	3024	5040	75	C	126%
20 lb/ac	2622	4370	65	D	110%
0 lb/ac	2394	3990	59	E	100%

Coefficient of Variation = 5.95%

estimated available lb/ac

Soil Analysis (NORWEST Labs)	N	P	K	S
	49	7	359	76

Baldonnel 1996

Rate of Nitrogen added	Average Plot Yield	Yield kg/ha	Yield bu/ac	L.S.D. Test	yield as % of 0 N
60 lb/ac	2438	4064	60	A	113%
40 lb/ac	2416	4026	60	A	112%
80 lb/ac	2411	4018	60	A	111%
20 lb/ac	2406	4010	60	A	111%
100 lb/ac	2253	3755	56	AB	104%
0 lb/ac	2162	3604	54	B	100%
120 lb/ac *	1922	3203	48	C	89%

Coefficient of Variation = 10.52%

estimated available lb/ac

Soil Analysis (NORWEST Labs)	N	P	K	S
	113	31	201	38

* significantly lower emergence