

Foliar Copper on Cereals

NORWEST Labs Soil Analysis: Copper marginal (0.34 ppm)

Copper Source: Coptrel @ 0.5 litre/ha
water @ 200 litre ha

Foliar Copper on Barley

Fort St. John 1998

Variety and treatment	Plot Yield	Yield kg/ha	Yield bu/ac	L.S.D Test	Yield as % of no copper
KASOTA	4551	7586	141	A	100%
KASOTA + copper	4518	7530	140	A	99%
B1215	3910	6517	121	B	100%
B1215 + copper	3831	6385	118	B	98%
ALBRIGHT + copper	3759	6264	116	BC	107%
ALBRIGHT	3529	5881	109	C	100%

Coefficient of Variation = 4.71 %

Foliar Copper on Oats

Fort St. John 1998

Variety and treatment	Plot Yield	Yield kg/ha	Yield bu/ac	L.S.D Test	Yield as % of no copper
MUSTANG	4058	6763	177	A	100%
MUSTANG + copper	3914	6523	171	AB	96%
JUNIPER + copper	3765	6276	164	BC	101%
JUNIPER	3721	6202	162	BC	100%
CASCADE + copper	3720	6199	162	C	103%
CASCADE	3599	5999	157	C	100%

Coefficient of Variation = 4.06 %

Foliar Copper on Wheat

Fort St. John 1998

Variety and treatment	Plot Yield	Yield kg/ha	Yield bu/ac	L.S.D Test	Yield as % of no copper
BIGGAR	4750	7917	118	A	100%
BIGGAR + copper	4678	7797	116	A	98%
TEAL + copper	3464	5773	86	B	103%
TEAL	3356	5593	83	B	100%
ROBLIN	3205	5341	79	B	100%
ROBLIN + copper	3167	5278	78	B	99%

Coefficient of Variation = 8.10 %

Although there was no statistically significant advantage under these growing conditions, the treatment may be more beneficial where soil is more copper deficient or if weather conditions were to result in higher yields or disease pressure.

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Foliar Copper on Barley

Fort St. John 1999

Variety and treatment	Plot Yield	Yield kg/ha	Yield bu/ac	L.S.D Test	Yield as % of no copper
ALBRIGHT + Copper	3630	6049	112	A	102%
ALBRIGHT	3561	5935	110	A	100%
KASOTA + Copper	3383	5638	105	B	104%
KASOTA	3259	5432	101	B	100%
HARRINGTON + Copper	2985	4975	92	C	101%
HARRINGTON	2970	4950	92	C	100%

Coefficient of Variation = 3.79%

Foliar Copper on Oats

Fort St. John 1999

Variety and treatment	Plot Yield	Yield kg/ha	Yield bu/ac	L.S.D Test	Yield as % of no copper
MUSTANG + Copper	3613	6022	158	A	102%
MUSTANG	3558	5930	155	A	100%
JUNIPER	3555	5925	155	A	100%
JUNIPER + Copper	3555	5925	155	A	100%
CASCADE + Copper	3433	5721	150	A	100%
CASCADE	3367	5612	147	A	98%

Coefficient of Variation = 6.54%

Foliar Copper on Wheat

Fort St. John 1999

Variety and treatment	Plot Yield	Yield kg/ha	Yield bu/ac	L.S.D Test	Yield as % of no copper
TEAL	2406	4010	60	A	100%
TEAL + Copper	2286	3811	57	A	95%
ROBLIN	2173	3622	54	A	101%
ROBLIN + Copper	2144	3573	53	A	100%

Coefficient of Variation = 12.81%

Although there was no statistically significant advantage under these growing conditions, the treatment may be more beneficial where soil is more copper deficient or if weather conditions were to result in higher yields or disease pressure.