

CROPLAND SOLUTIONS Inc.

Cropland Solutions Treatments on Spring Wheat and Field Pea					
Products	Control	Treatment 1	Treatment 2	Treatment 3	Treatment 4
Recommended Fertilizer Based on Soil Test	100%	80%	-	-	-
Granule Fertilizers Treated with Nutrient Booster	None	None	80%	80%	80%
Liquid Lime	-	-	Yes, In-Furrow	Yes, In-Furrow	-
Seed Treatment - Vigor Plus	No	No	Yes	Yes	Yes
Foliar Sprays - Herbicide Time					
Herbicides - Recommended	100%	100%	100%	100%	100%
Optimize+	-	-	2.0ml/L	2.0ml/L	2.0ml/L
Vigor Plus	-	-	-	5ml/L	5ml/L
10-10-10 - Premier Gro	-	-	-	-	24g/L
Prime Micro Copper	-	-	-	-	-



Cropland Solutions - Wheat 07/26



Cropland Solutions - Wheat 08/26



Cropland Solutions - Pea 07/26

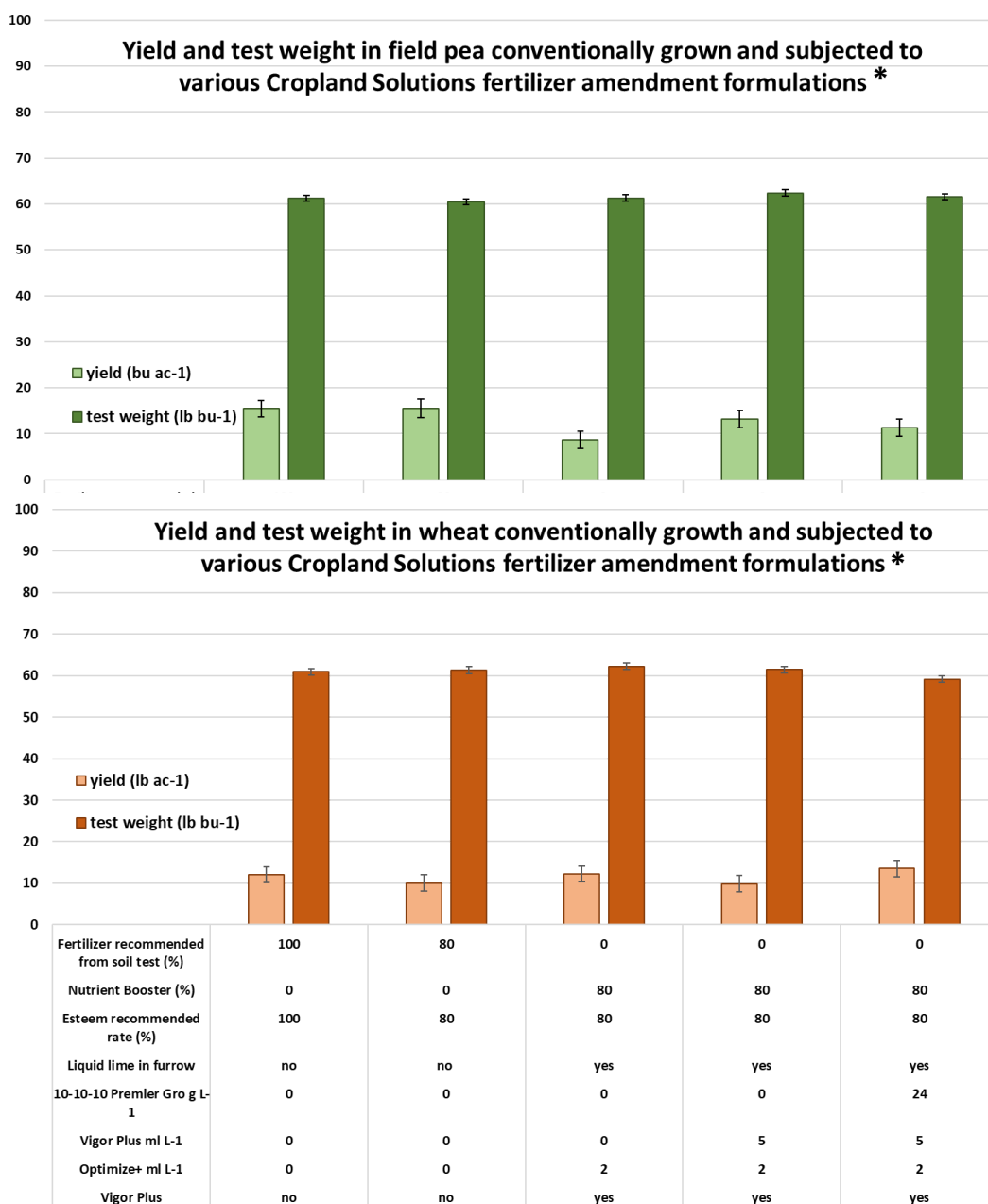


Cropland Solutions - Pea 08/26

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Foliar fertilizers such as Optimize+, Vigor Plus, 10-10-10 Premier Gro, and Prime Micro Cu (Copper) are fertilizer amendments composed of plant based sources. As such, their formulation is based on amino acid chains (peptides) that facilitate penetration into foliar tissue and guaranty greater plant nutrition absorption.

In this trial, there were five treatments which consisted of the following: (1) Fertilizer (as recommended by a soil test), 100% of the recommended herbicide rate, and no addition of amendments such as: in furrow liquid lime, Vigor Plus, Optimize+, 10-10-10 Premier Gro and Prime Micro Cu. (2) No recommended fertilizer, in furrow liquid lime, Vigor Plus seed treatment, herbicide rate at 100%, and Optimize+. Treatments 3 and 4 were the same as treatment (2) except (3) included a 5ml/L foliar application of Vigor Plus, and (4) included a foliar application 5ml/L of Vigor Plus and 24g/L of 10-10-10 Prime Micro Cu. A control treatment was composed of a full recommended fertilizer and herbicide rate, and no fertilizer amendment. Cropland Solutions amendments were applied shortly after the first herbicide maintenance application. In field pea application was conducted with Viper (Imazamox at 0.018 L ac-1 and Bentazon at 0.386L ac-1) and in-wheat compounds were applied along with Esteem (Fluroxypyr at 0.32 lb ac-1, Clopyralid at 0.11 lb ac-1 and MCPA at 0.365 L ac-1). Trials were set up as a random complete block design with separate experimental trials for wheat and pea.



*Values with no letters determine no statistical difference across treatments

In pea test weight (P=0.2085) was the same among treatments and thus there was no difference in comparison to the control. In contrast yield was greater in the control and in treatment 2, and lower in treatment 3 (P=0.0387).

In wheat, there was no difference between treatments compared to the control in test weight and yield (P=0.1679 and P=0.4639 respectively).