

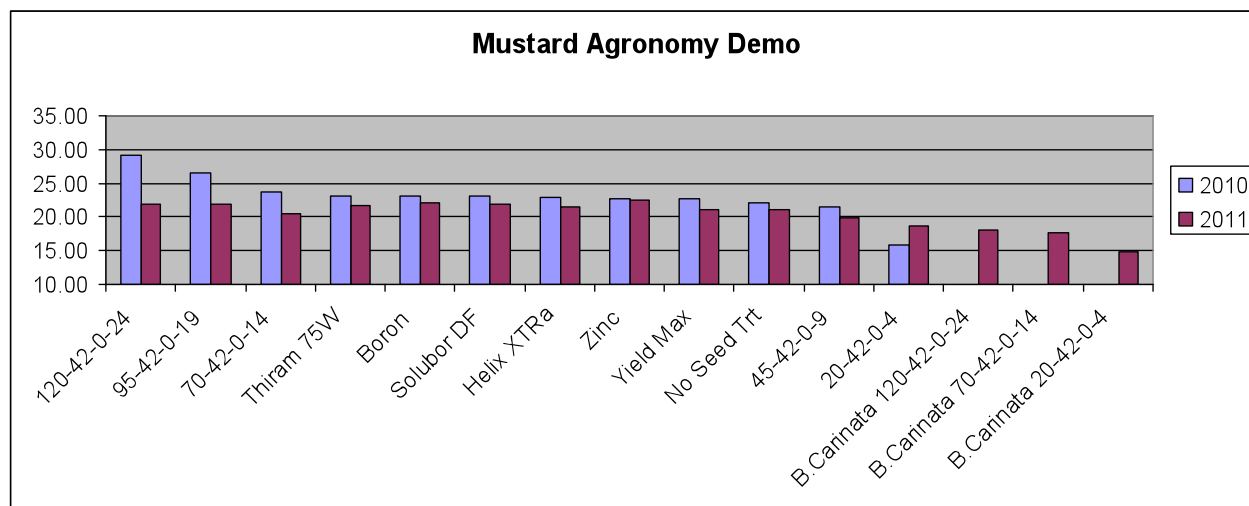
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Mustard and Brassica Carinata Agronomy

Even though there has been a fair amount of work done with other oilseeds, there has been little done to develop mustard or brassica carinata agronomy. With this information available to producers, they can potentially improve net returns from mustard and maintain diversity in the oilseed phase of their cropping rotation. The intent of this project is to demonstrate the effect of macro-nutrients, micro-nutrients, and seed treatments on three mustard types: Oriental, Yellow, and Brown including 5 rates of macro-nutrients, 4 micro-nutrients treatments, 2 seed treatments, and a check. 3 rates of macro-nutrients treatments were also applied to Brassica Carinata.

In 2010 we observed a strong response to the macro-nutrients, as yields increased with increasing levels of macro-nutrients. In 2011 we noted a positive response to the macro-nutrients, as yields increased with increasing levels of macro-nutrients but was less dramatic than observed in 2010. The micro-nutrient treatments and seed treatments all received the same level of macro-nutrients (70-42-0-14). There appeared to be no response to either the micro-nutrients or seed treatments in this case and therefore, not economically feasible. Due to weather conditions in 2011, the applied treatments had little effect on emergence, maturity, or disease and no responses were observed. These results may not be duplicated under drier conditions or on sites where micro-nutrients are deficient or where disease or insect pressures are high.



Acknowledgements

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