INTRODUCTION
Winter cover crops (WCC) bring benefits to cropping systems although negative impacts have been reported.
- WCC may compete for soil resources and reduce cash crop yields and farm profits
- Information gaps about benefits and tradeoffs prevents WCC adoption.

OBJECTIVES
- Summarize the overall response of corn yields to WCC as reported in peer reviewed research,
- Investigate the influence of management factors in moderating corn yield response to WCC

METHODS

CONCLUSIONS
- WCC promote, or maintain corn yields.
- Legumes display positive effects on corn yields; grasses/bicultures showed a neutral effect.
- Nitrogen fertilization moderates corn yield responses to WCC

RECOMMENDATIONS
- Continue data collection. Inputs of quality are critical for a successful Meta-analysis.
- Evaluate yield response to changes in management (e.g. How much will yields change in WCC systems if killing/seeding dates are delayed)