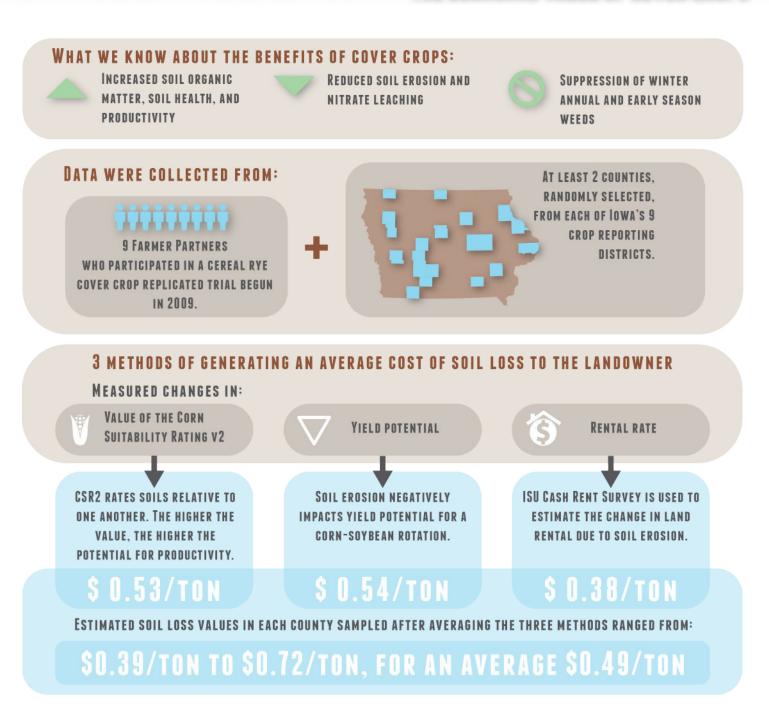


IOWA LEARNING FARMS Building a Culture of Conservation Farmer to Farmer | Iowan to Iowan

## THE ECONOMIC VALUE OF COVER CROPS



## **ECONOMIC VALUE OF NUTRIENTS?**



SOILS WITH HIGHER ORGANIC MATTER HAVE GREATER PRODUCTIVITY DUE TO HIGHER NUTRIENT CONTENT AND AVAILABILITY.

TO ESTIMATE THE NUTRIENT VALUE, THE AVERAGE ORGANIC MATTER PERCENTAGE FOR EACH COUNTY FROM THE IOWA SOIL PROPERTIES AND INTERPRETATIONS DATABASE WAS USED.



FOR THE 20 COUNTIES IN THE STUDY, THE AVERAGE NUTRIENT VALUE LOST TO EROSION IS \$5.57/TON.

**SU.45/TON** Average value of soil LOSS from erosion

**OO.OT/TUN** Lost nutrient value



FOR EACH TON OF SOIL THAT IS KEPT IN PLACE THROUGH CONSERVATION PRACTICES SUCH AS COVER CROPS, \$6.06 CAN BE CREDITED TO THAT PRACTICE TO HELP OFFSET THE COST OF IMPLEMENTATION. UNLY A PURITUM OF THE ULTIMATE VALUE

LARGEST IMPACTS OF COVER CROP USAGE WERE FOUND WHERE EROSION RATES WERE HIGHEST

FOR EXAMPLE, TAMA COUNTY SOIL LOSSES UNDER 3 SCENARIOS:





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> Iowa Learning Farms 1201 Sukup Hall Ames, Iowa 50011-3080 515-294-5429 WWW.EXTENSION.IASTATE.EDU/ILF