

**FERTILIZER ASSESSMENT FUND - 2018 PROPOSALS FOR FY 2019 FUNDS**

<b>PI</b>	<b>TITLE</b>	<b>Awarded</b>
<b>Bourgault</b> , Lamb, Jones	Do we Need Phosphorus Fertilizer at Depth in No-Till Systems? (4 yr project)	<b>37,690</b>
<b>Budak</b> , Zitkovich, Alptekin, Biyiklioglu, et al	MicroCereal Micronutrient deficiencies and toxicities in wheat in Montana (3 year study; this request is 2nd yr of 3)	<b>45,000</b>
<b>Burgess, Dyer A</b>	Chloride Deficiency and Salt Tolerance of Wheat and Pulse Cultivars (3 yr project)	<b>19,825</b>
<b>Chen, Nilahyane</b>	Enhancing water and nitrogen use efficiency in sugarbeet under no-till (2 yr project)	<b>37,356</b>
<b>Eberly</b> , Jones, Carr, Fordyce	Improving nitrogen management in Montana dryland soils by determining the contribution of microbial mineralization to nitrogen availability (3 yr project; 2nd yr unknown)	<b>30,000</b>
<b>Engel</b> , Jones, Carr, Lane, Powell	Understanding acidification and management of Montana soils (yr 3 of 3)	<b>30,000</b>
<b>Ewing</b> , Brookshire, Klassen, Dobeck, Jones, Payn, et al	Research Analytical Chemist, Environmental Analytical Laboratory	<b>30,000</b>
<b>Giroux</b> , Oiestad	Examining the Role of Nitrogen in Wheat Growth and Yield in Response to Increased Starch Biosynthesis (3 yr project)	<b>34,000</b>
<b>Glunk-Meccage</b> , Peterson	Impact of Sulfur fertilization rate and timing on forage quality, yield, and persistence in cool-season perennial grass stands (2 yr project)	<b>35,208</b>
<b>Maxwell</b> , Silverman, Broyles, Merja, Van Dyke, Wood	On-farm experiments to optimizing site-specific application of nitrogen fertilizer rates to maximize producer profits (3 yr project; this request is 2nd yr of 3)	<b>30,000</b>
<b>Miller</b> , Jones, Bekkerman, Ewing, Larson	Long-term N management in alternative crop rotations (yr 2)	<b>24,922</b>
<b>Miller</b> , Jones, Zabinski, Bourgault, et al	Advancing cover crop knowledge in Montana: Soil fertility implications (yr 2)	<b>35,000</b>
<b>Sherman</b> , Carr, McVay	Relationship between fertility management and malt quality in low protein barley (yr 2 of 2 yr project)	<b>30,000</b>
	<b>Total</b>	<b>419,001</b>