



TALC USA

A **BRANDT**® COMPANY

Talc USA Trial Results

Talc 80/20 + MicroSURGE for Soybeans



Talc 80/20
w/graphite



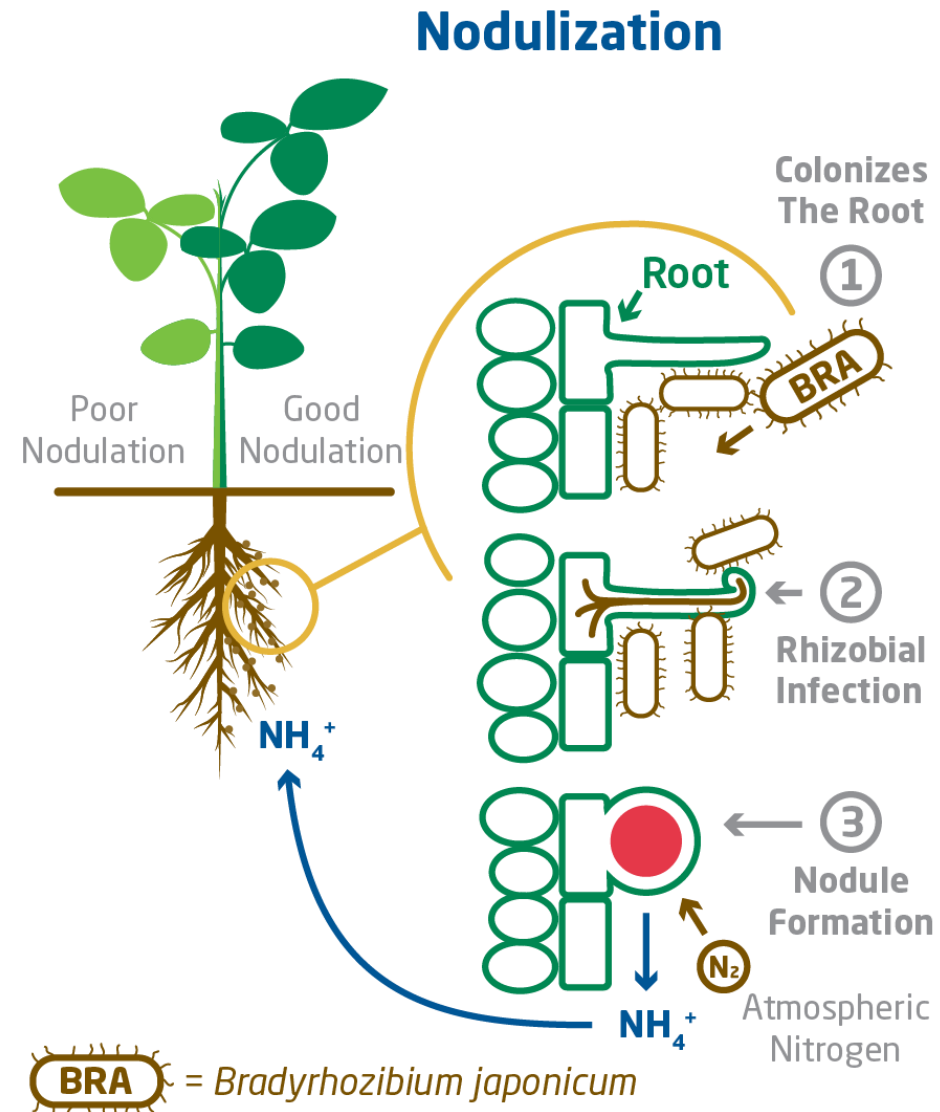
MicroSURGE
Soybean Inoculant
Contains
Bradyrhizobium japonicum

MicroSURGE for Soybeans

Inoculant: *Bradyrhizobium japonicum*

Symbiotic nitrogen-fixing soil bacterium

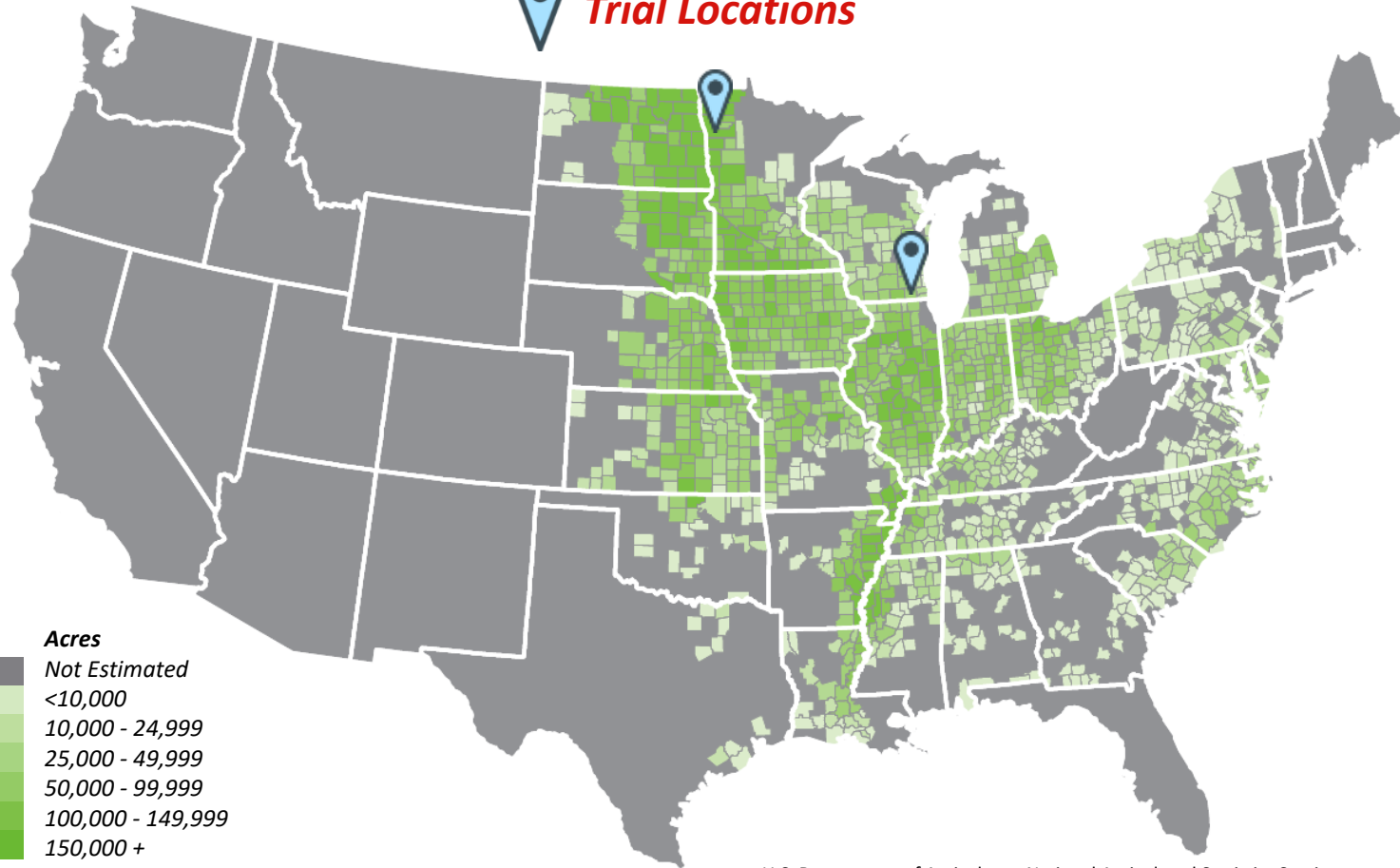
Legume crops are a host for the N_2 -fixing bacteria, *B. japonicum* and they can obtain up to 50% or more of their N needs through biological nitrogen fixation are present in the soil



Inceptive + MicroSURGE for Soybeans

2023 Soybean Trial Locations and Yield Results

 **Trial Locations**

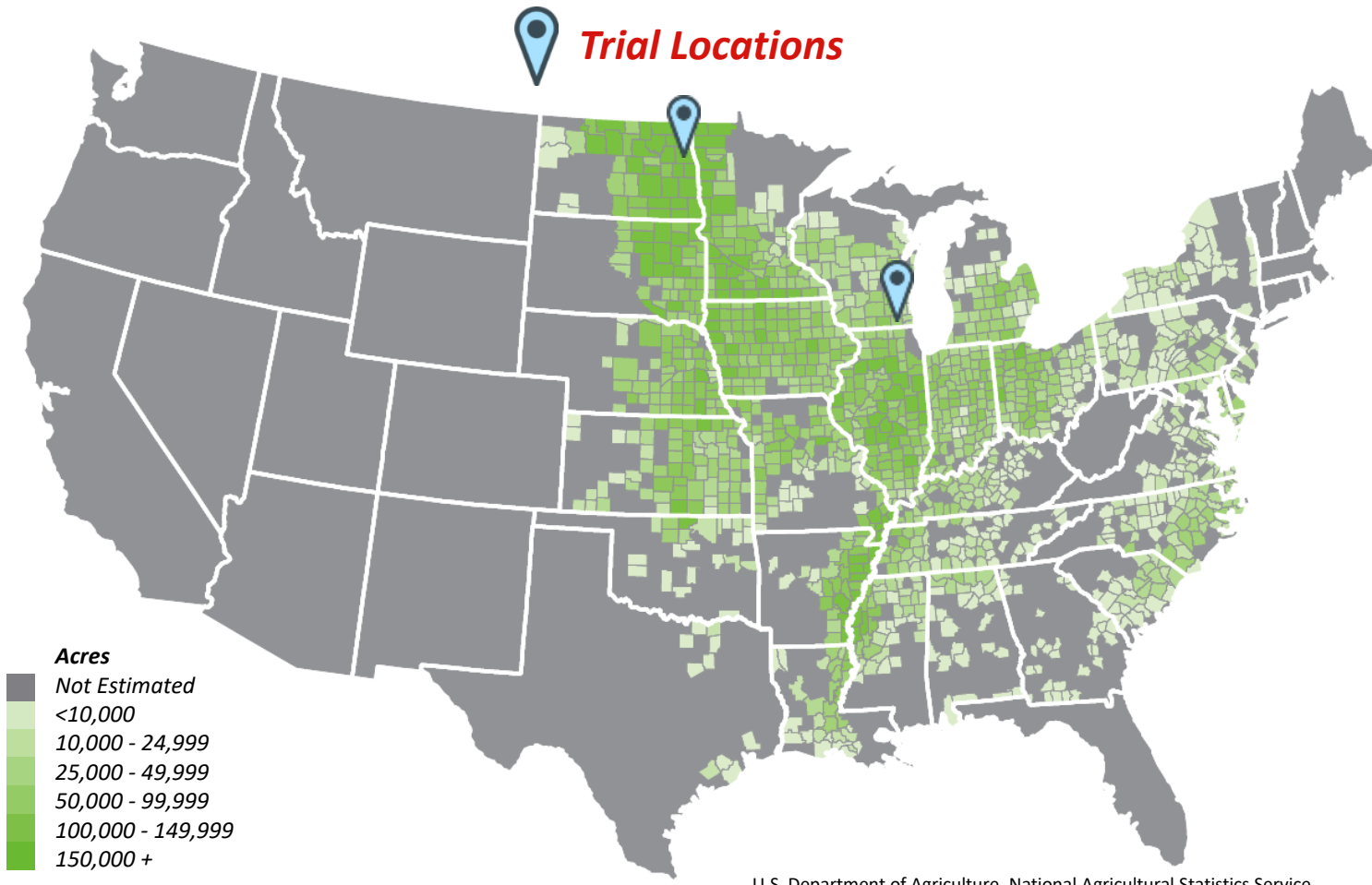


U.S. Department of Agriculture, National Agricultural Statistics Service

Location	Yield Increase
MN	-2.1 bu/ac
WI	1.75 bu/ac
Averaged Results	
Yield Increase	-0.2 bu/ac

Inceptive + MicroSURGE for Soybeans + Molybdenum

2023 Soybean Trial Locations and Yield Results



Location	Yield Increase
ND	-0.60 bu/ac
WI	3.96 bu/ac
Averaged Results	
Yield Increase	1.68 bu/ac

U.S. Department of Agriculture, National Agricultural Statistics Service

Talc 80/20 + MicroSURGE for Soybeans

2022 Soybean Trial Locations and Yield Results

 **Trial Locations**



U.S. Department of Agriculture, National Agricultural Statistics Service

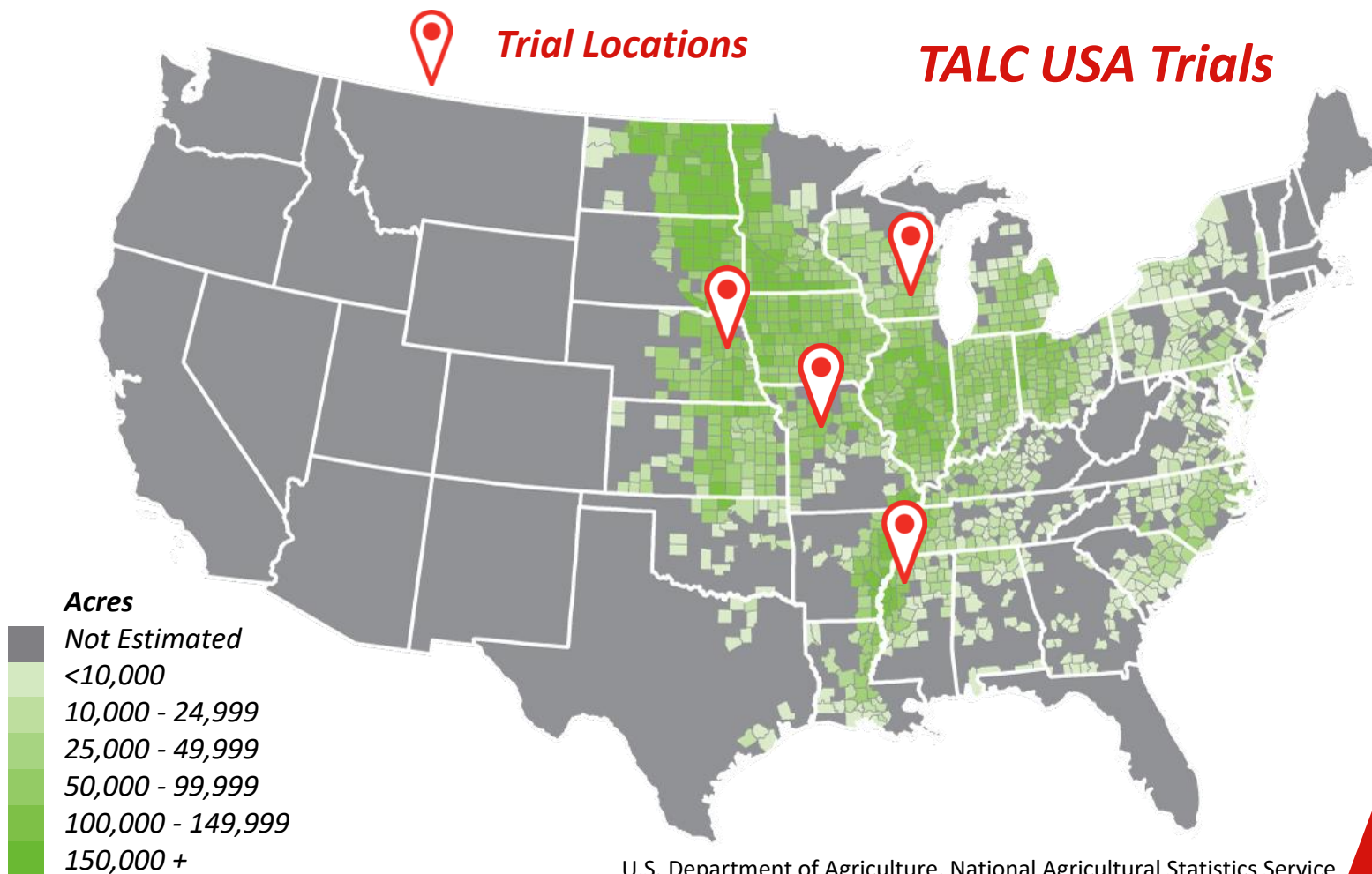
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Location	Yield Increase
SGS America, Aurora, SD	4.7 bu/ac
Mid-South Ag Research, Proctor, AR	6.2 bu/ac
Delta Crop and Research, Holly Ridge, MS	10.4 bu/ac
Buckeye Ag Testing, Urbana, OH	1.1 bu/ac
North Central Research Station, St. Johns, MI	4.4 bu/ac
Elite Research, Aurora, NE	1.6 bu/ac
BRANDT Research Farm, Pleasant Plains, IL	1.8 bu/ac
University of Illinois, Champaign, IL	2.2 bu/ac
TSM, Catlin, IL	5.4 bu/ac
KS	3.7 bu/ac
MN	-3.8 bu/ac
MO	4.7 bu/ac
ND	1.9 bu/ac
WI	0.3 bu/ac
Averaged Results	
Yield Increase	3.4 bu/ac
Grower ROI @!4/bu	\$45.14/ac

Talc USA Soybeans Trial Locations and Yield Results

MicroSURGE + Inceptive - 2016-2021

Location	Yield Increase
Mississippi	3.3 bu/ac
Missouri	3.5 bu/ac
Nebraska	3.6 bu/ac
Wisconsin	3.1 bu/ac
Averaged Results	
Yield Increase	3.4 bi/ac
Grower ROI @\$14/bu	\$40.44/ac



U.S. Department of Agriculture, National Agricultural Statistics Service