



TALC USA

A **BRANDT**® COMPANY

Talc USA Trial Results

Talc 80/20 + MicroSURGE



**Talc 80/20
w/graphite**



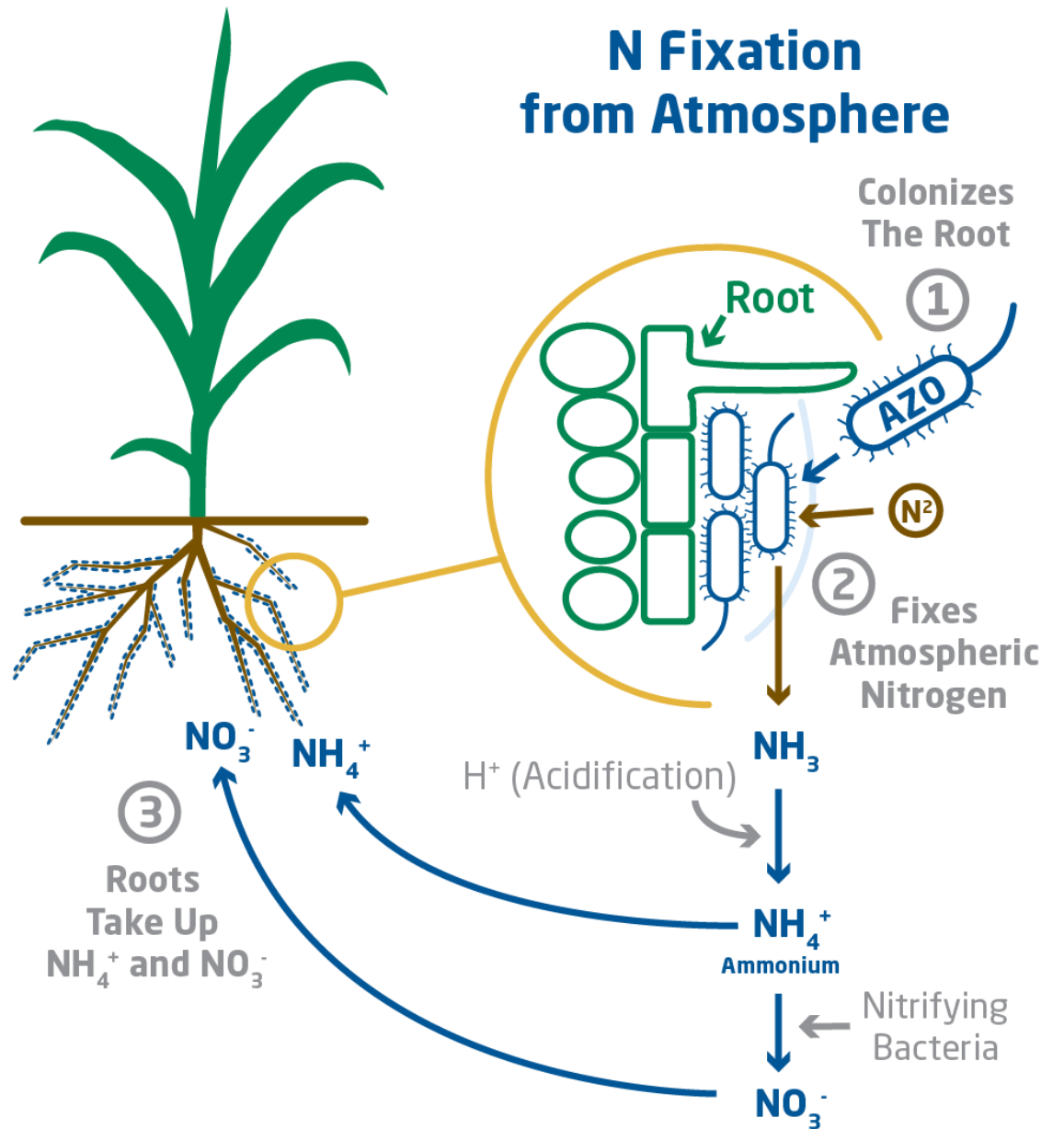
MicroSurge
*Contains 2 strains of
Azospirillum*

MicroSurge

Inoculant: *Azospirillum* sp.

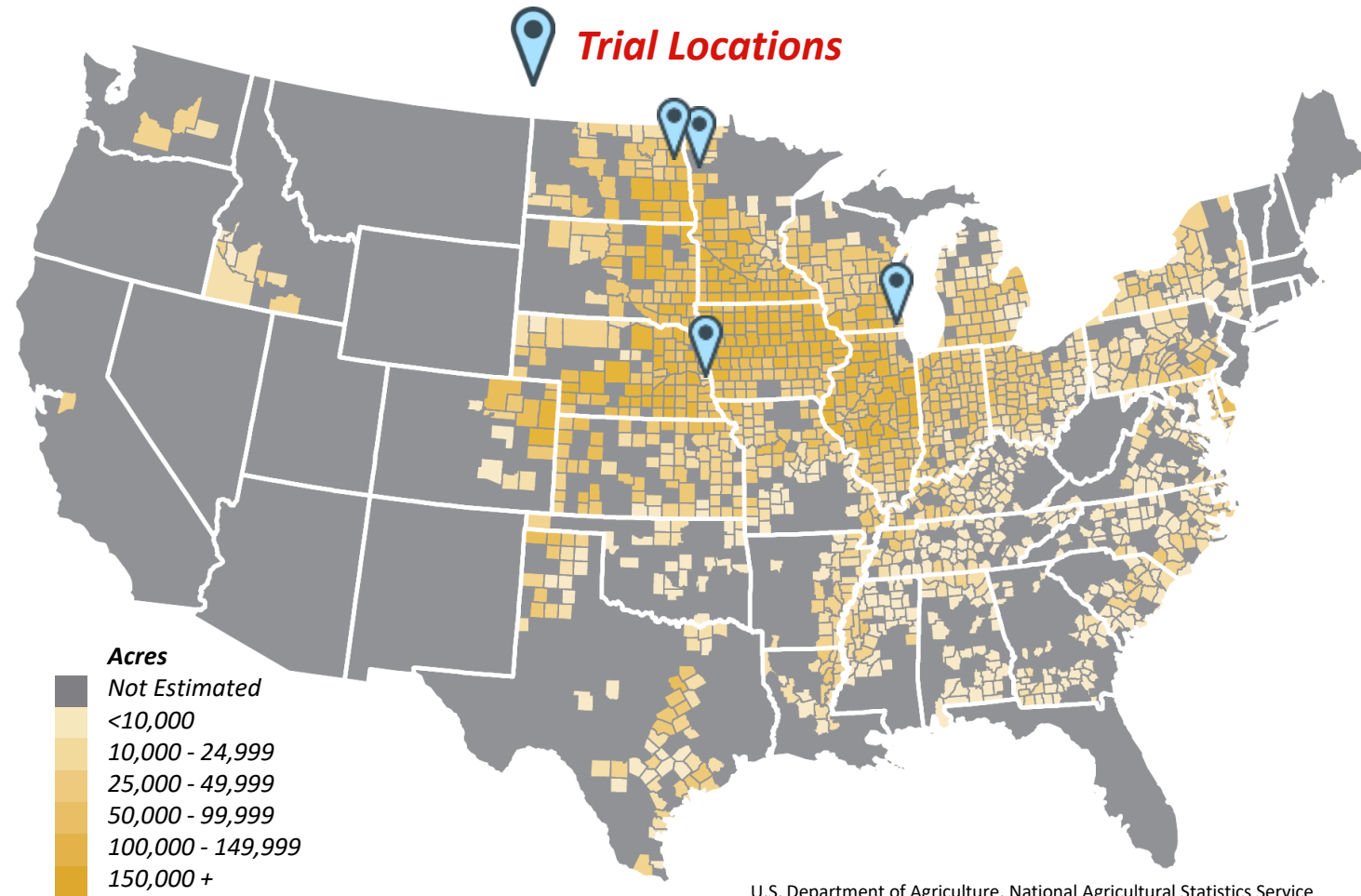
Azospirillum sp. colonizes root surfaces and establishes symbiotic association with the plant.

Azospirillum sp. fixes nitrogen from the atmosphere into ammoniacal nitrogen that plants can utilize



Inceptive + MicroSURGE for Corn

2023 Corn Trial Locations and Yield Results

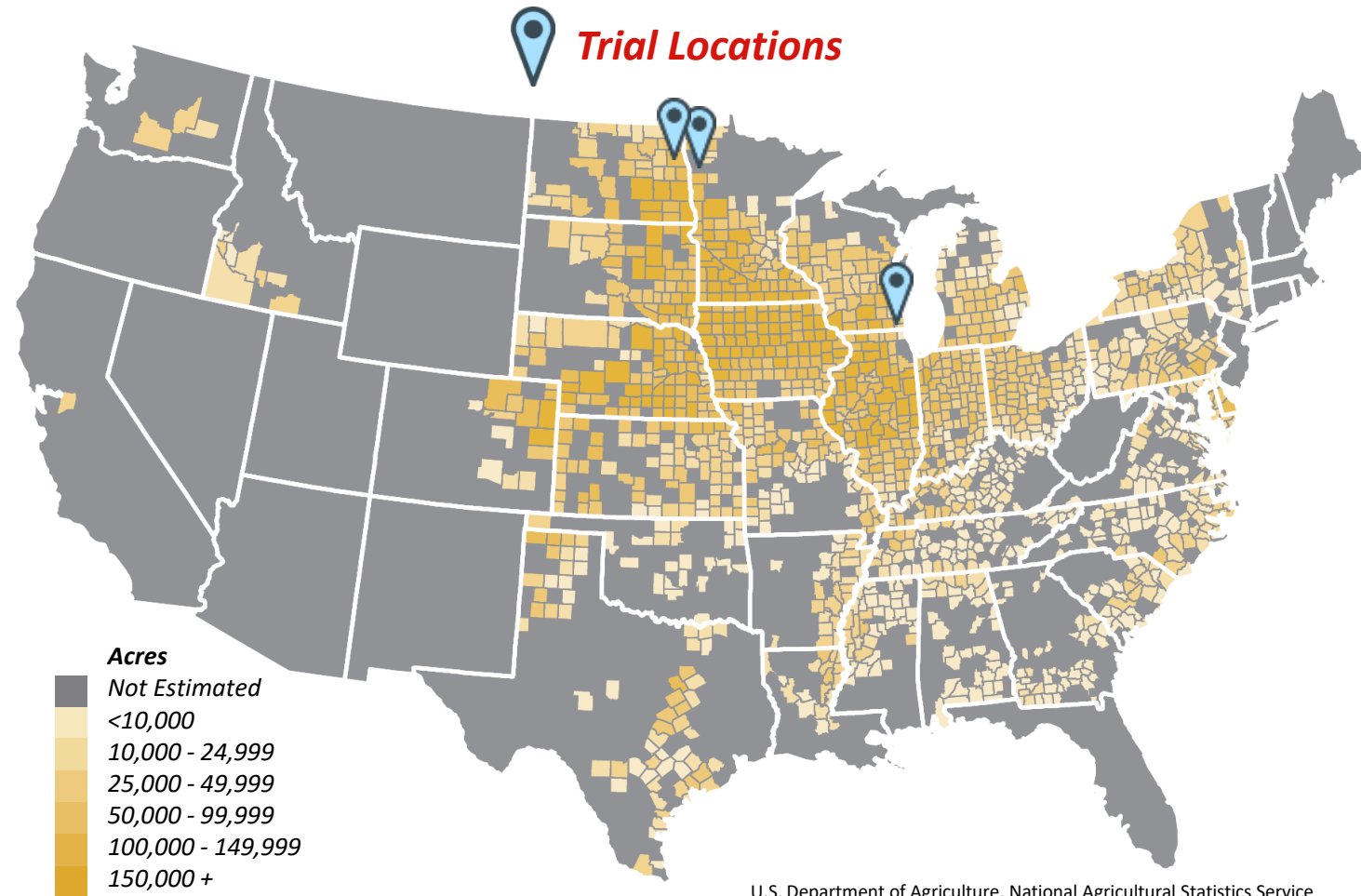


U.S. Department of Agriculture, National Agricultural Statistics Service

Location	Yield Increase
Dry MicroSURGE + Inceptive	
MN	2.2 bu/ac
NE	11 bu/ac
ND	0.1 bu/ac
WI	8.81 bu/ac
WI	6.1 bu/ac
Averaged Results	
Yield Increase	5.9 bu/ac
Liquid MicroSURGE + Inceptive	
WI	11.6 bu/ac

Inceptive + Dry MicroSURGE for Corn + Molybdenum

2023 Corn Trial Locations and Yield Results

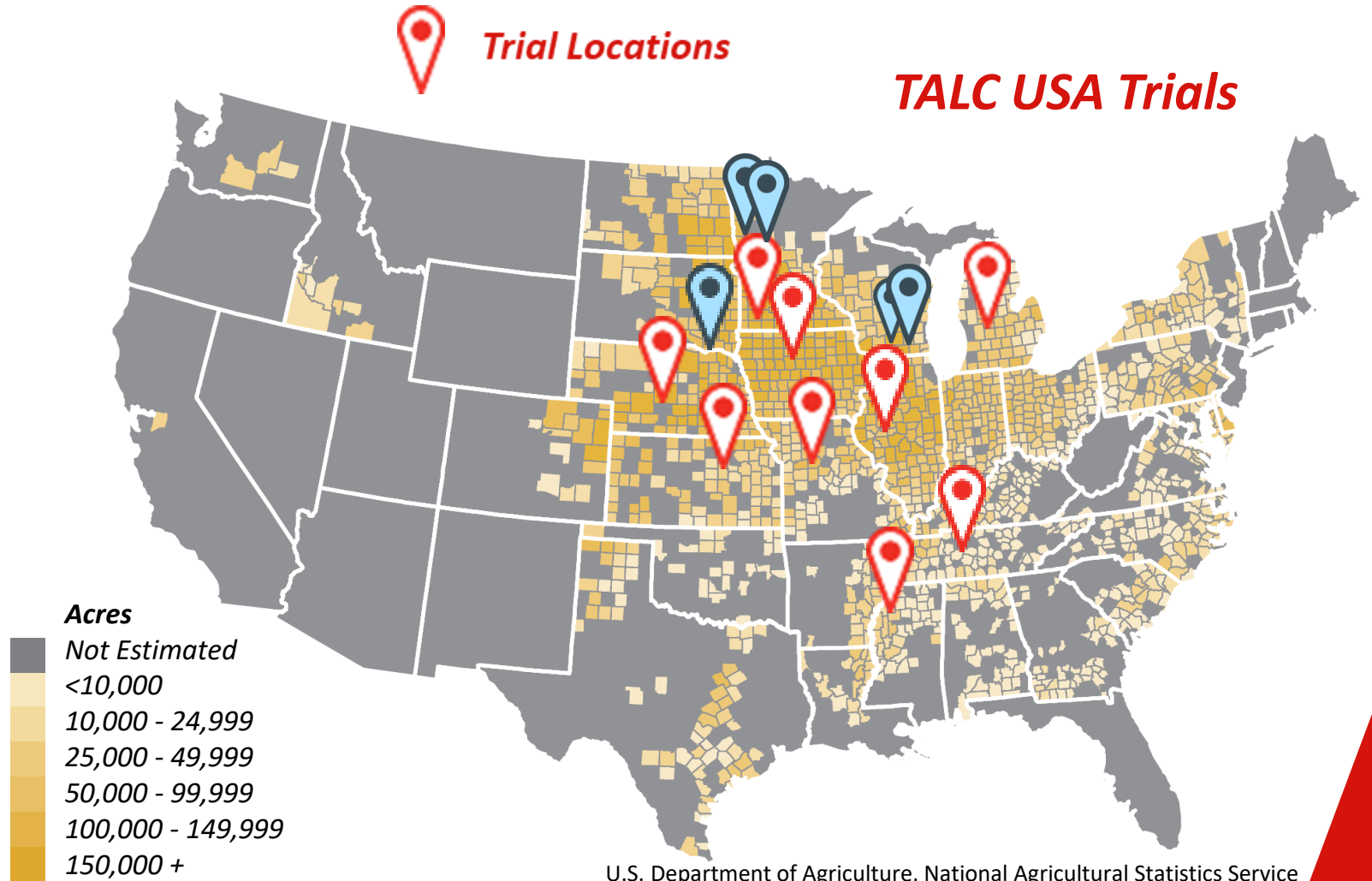


U.S. Department of Agriculture, National Agricultural Statistics Service

Location BRANDT EnzUp SeedFlow Zn	Yield Increase
MN	4.2 bu/ac
ND	5.4 bu/ac
WI	9.01 bu/ac
Averaged Results	
Yield Increase	6.2 bu/ac

TALC USA Corn Trial Locations and Yield Results with MicroSURGE + Inceptive - 2013-2022

Location	Yield Increase
Agri-Tech Whitewater Wi 2022	4.81 bu/ac
KayJay AG Wilkin County Mn 2022	3.7# bu/ac
Agri-Tech Whitewater Wi 2022	12.8 bu/ac
Cedar County Ne 2022 Norman County Mn 2022	10.9bu/ac 8.0 bu/ac
Illinois	7.4 bu/ac
Iowa	5 bu/ac
Michigan	17.7 bu/ac
Minnesota	5.9 bu/ac
Mississippi	6 bu/ac
Missouri	6.1 bu/ac
Nebraska	6.8 bu/ac
Tennessee	5.5 bu/ac
Wisconsin	8.9 bu/ac
Averaged Results	
Yield Increase	7.8 bu/ac
Grower ROI @\$6/bu	\$42.74

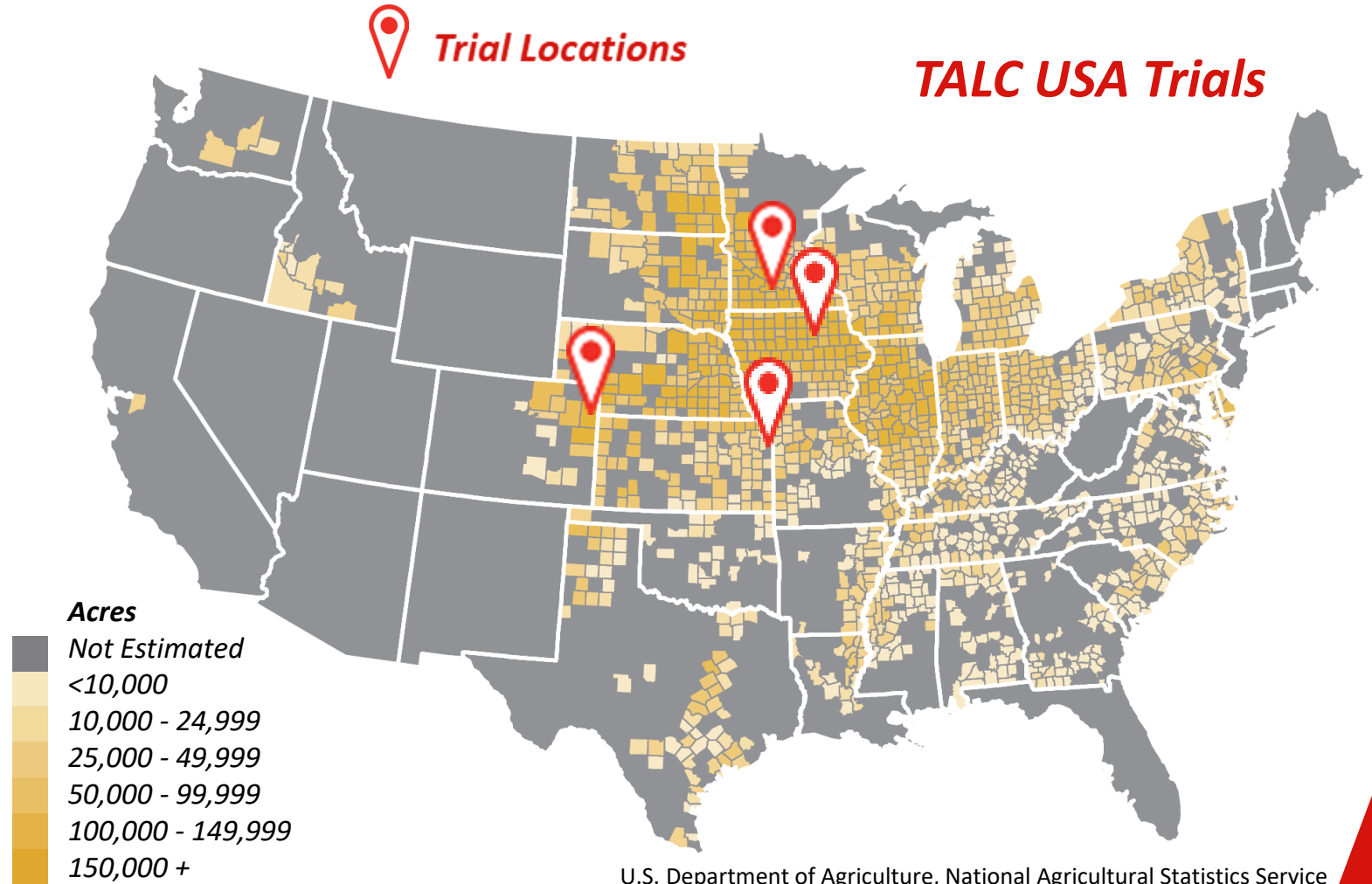


2022 Trials

Talc USA Corn Trial Locations and Yield Results with Dry MicroSURGE Corn

2013-2021

Location	Yield Increase
Colorado	10 bu/ac
Iowa	6.1 bu/ac
Minnesota	4.5 bu/ac
Missouri	7.1 bu/ac
Averaged Results	
Yield Increase	8.1 bu/ac
Grower ROI @\$6/bu	\$46.50



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

Talc USA Corn Trial

MicroSURGE + Inceptive vs Pivot Bio

2022

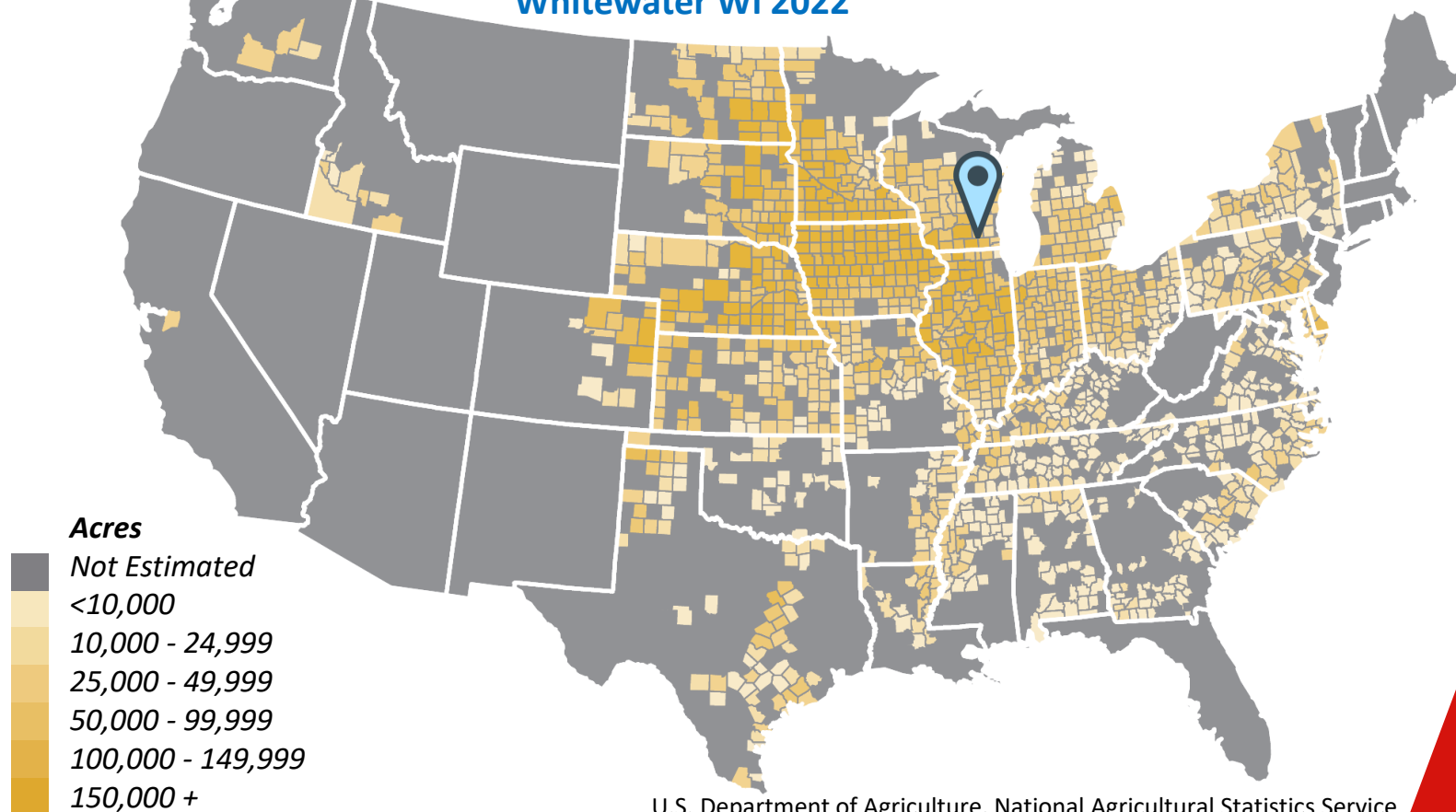
Treatment	Yield
Control 100% Fertilizer	252.1 bu/ac
Control 80% Fertilizer	229.2 bu/ac
Dry MicroSURGE Inceptive 80% Fertilizer	242 bu/ac
Dry Pivot Bio 80% Fertilizer	241 bu/ac
Results	
MicroSURGE + Inceptive 13 bu more than 80% Control and 1 bu more than Pivot Bio	
More yield and about \$20/Acre less cost than Pivot Bio	



Trial Location

Agri-Tech Consulting
Whitewater WI 2022

TALC USA Trials



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



2022 Trials