

# Treated and Untreated Seed

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24<sup>th</sup> April 2023

Update on Reporting for 2022

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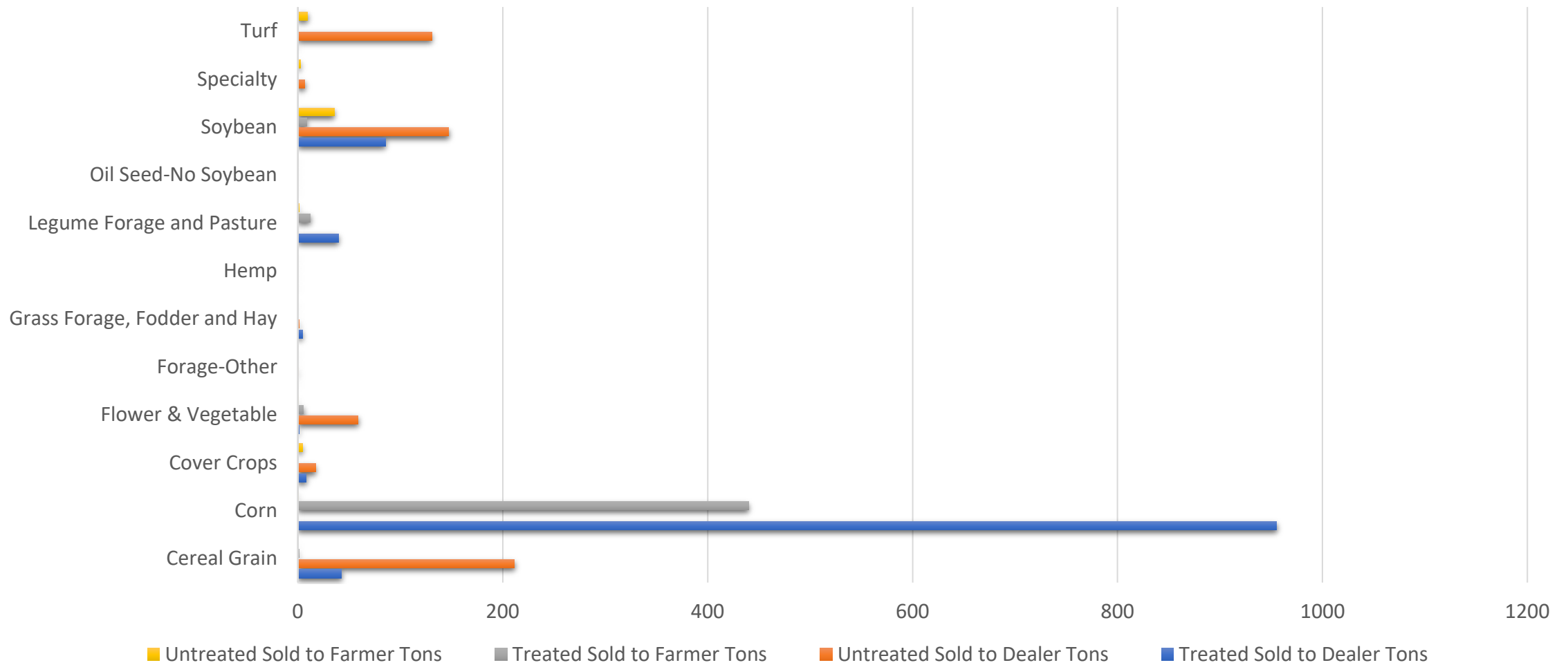
Vermont Agency of Agriculture, Food & Markets

## Summary Of Reported Seed by Type 2022

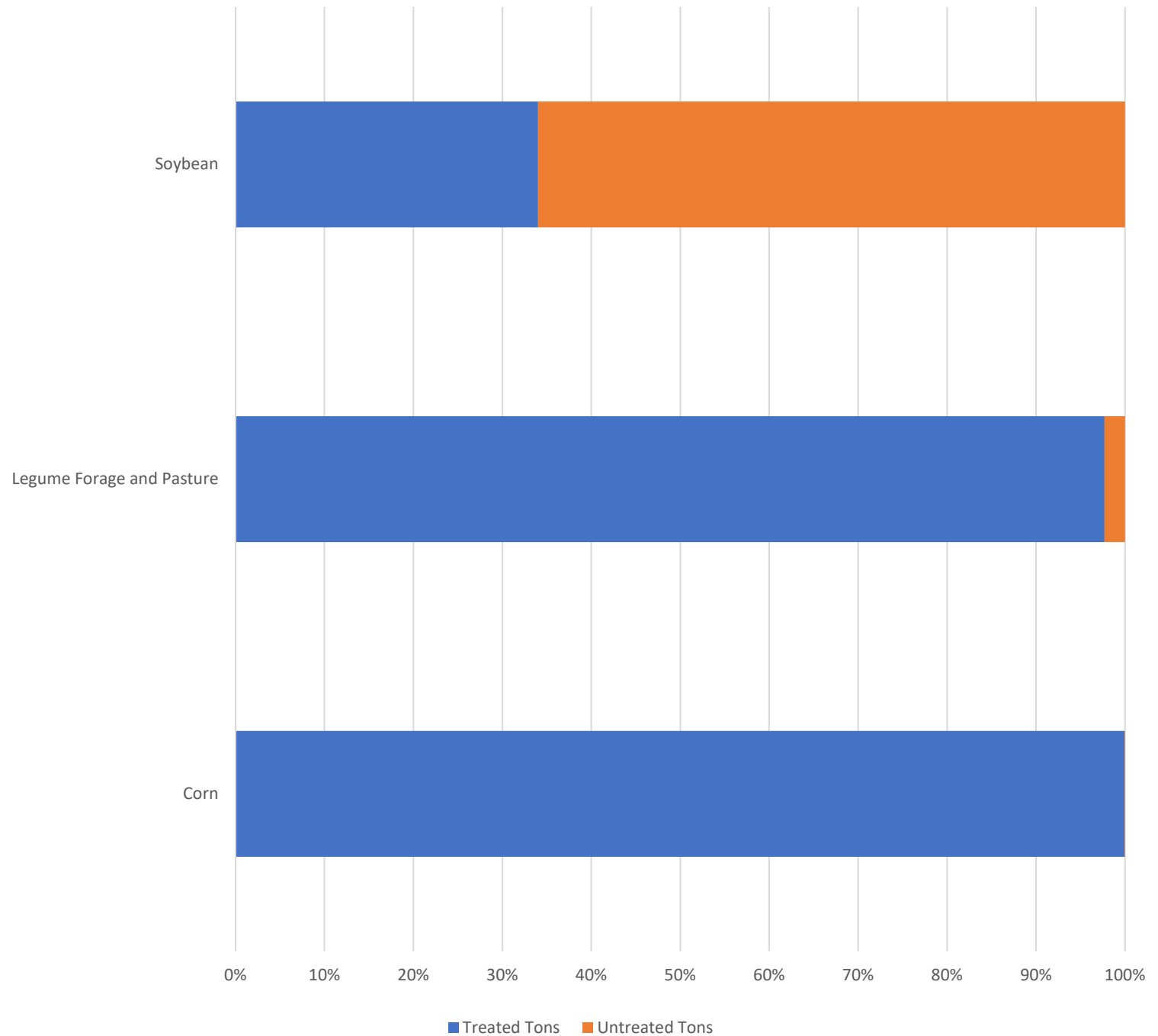
2022 SEED CATEGORY	TREATED SOLD TO DEALER TONS	UNTREATED SOLD TO DEALER TONS	TREATED SOLD TO FARMER TONS	UNTREATED SOLD TO FARMER TONS
Cereal Grain	42.7425	211.266	0.985	0
Corn	955.27	0.225	439.73	0.68
Cover Crops	8.125	17	0.00	4.2925
Flower & Vegetable	1.3425	59	5.365	0.421
Forage-Other	0.093	0.6565	0	0
Grass Forage, Fodder and Hay	4.25	1.275	0	0
Hemp	0	0	0	0.025
Legume Forage and Pasture	39.50	0.176	12.07	1.04
Oil Seed-No Soybean	0.18	0	0.10	0
Soybean	85.35	147.07	8.67	35.34
Specialty	0.13	7	0.11	2.50
Turf	0.38	130.605	0.00	9.55
Category Tons	1137.37525	574.4045	467.0355	53.8355

# Reporting by Seed Categories 2022

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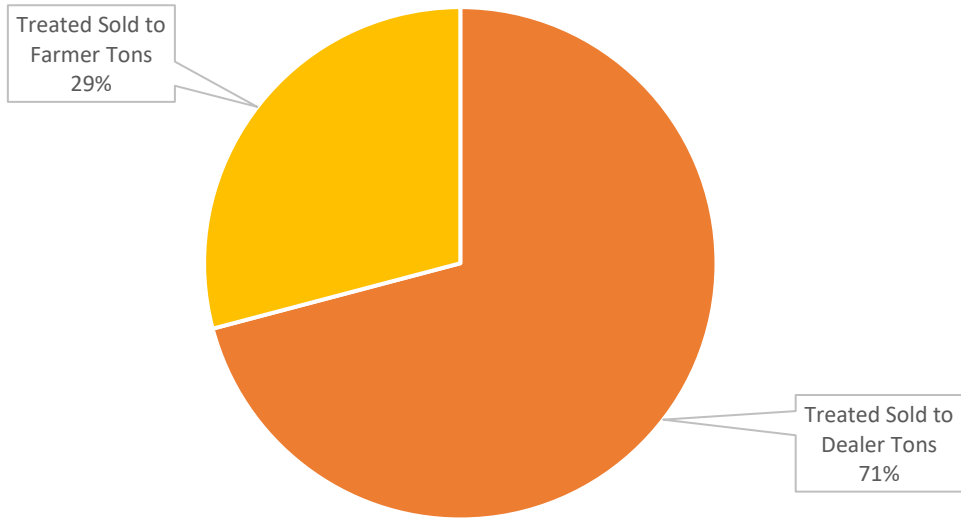


# 2022 Treated to Untreated Volumes in the Corn, Legume Forage and Pasture, and Soy Categories



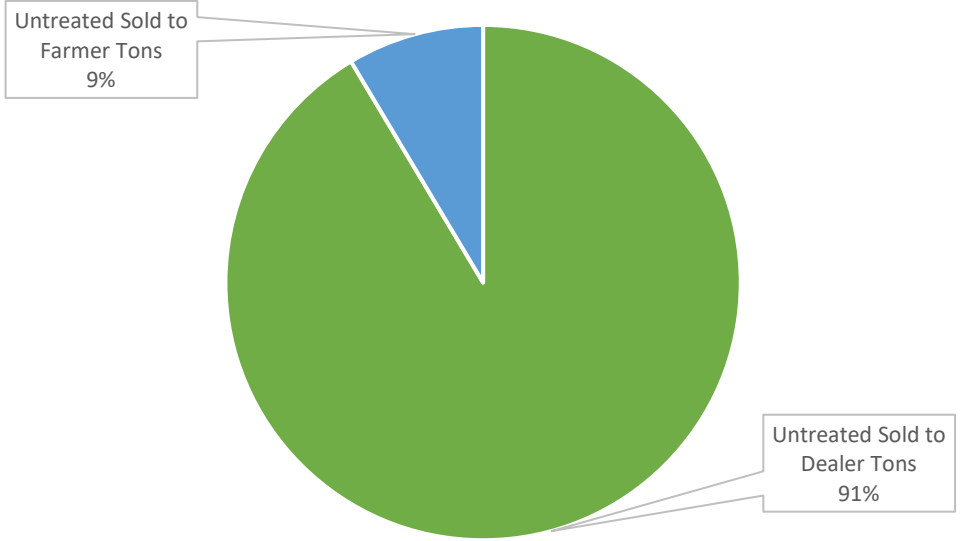
# 2022 Dealer vs. Farmer Sales

## Treated Seed Sales Reported



■ Treated Sold to Dealer Tons   ■ Treated Sold to Farmer Tons

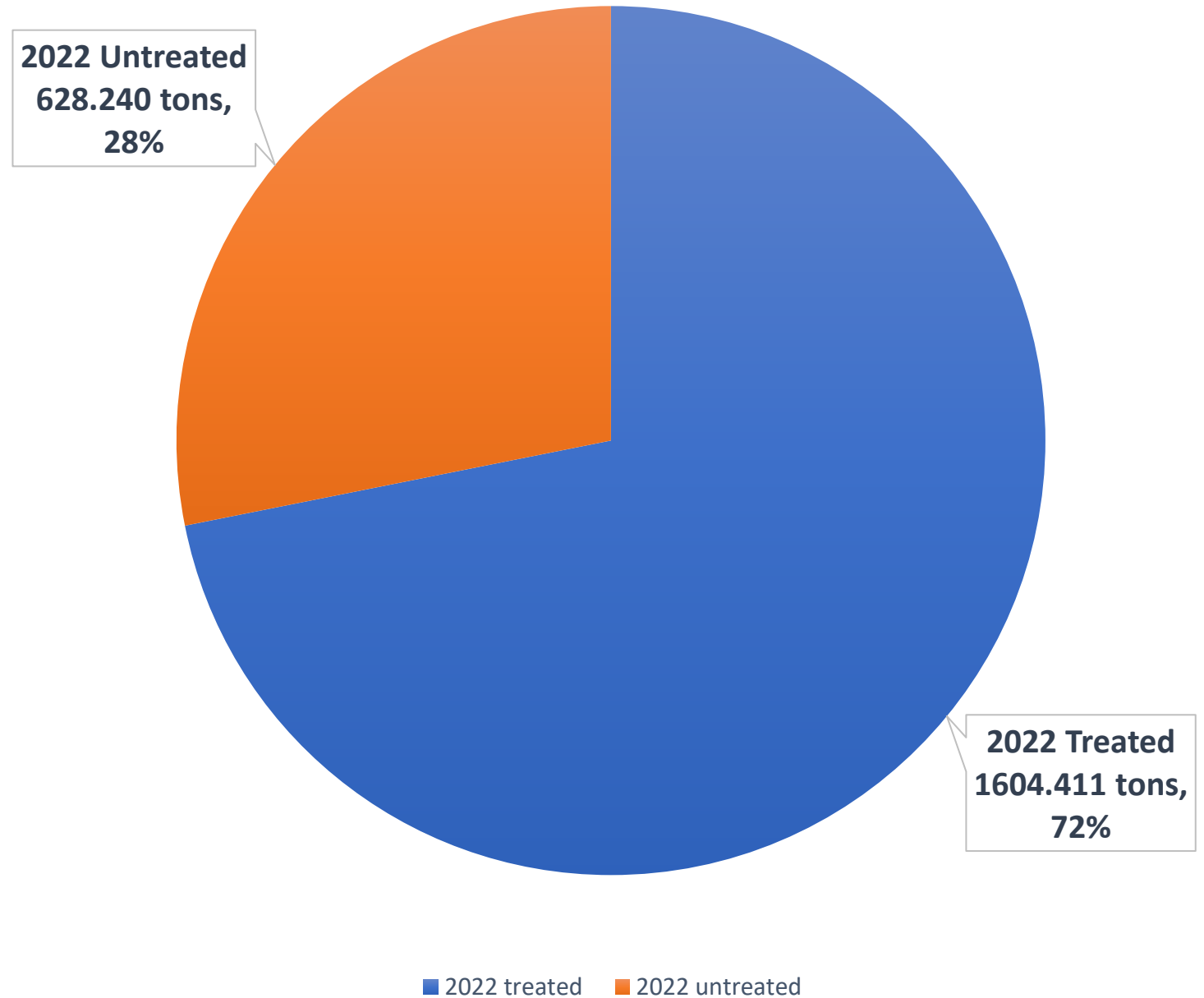
## Untreated Seed Sales Reported



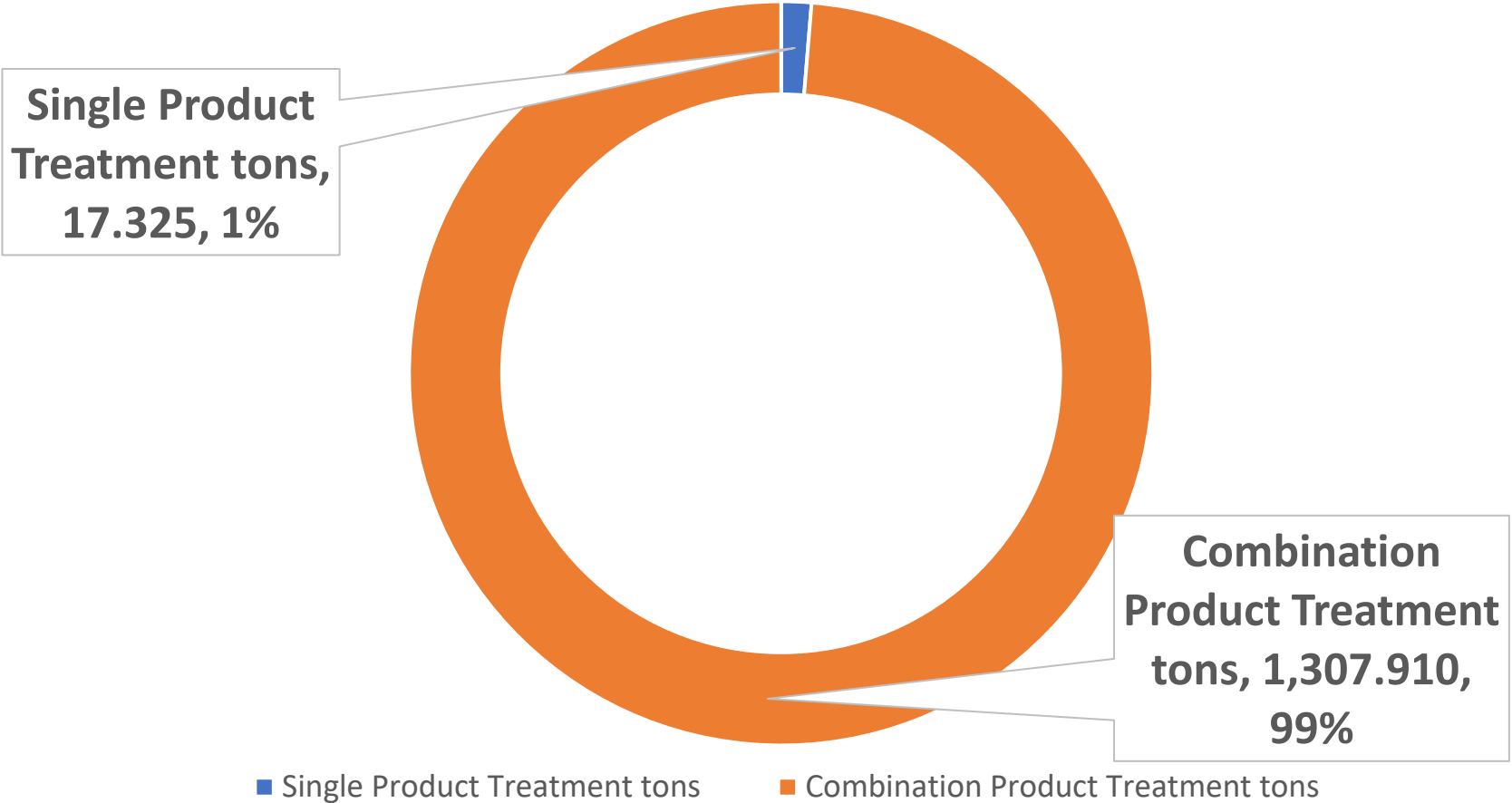
■ Untreated Sold to Dealer Tons   ■ Untreated Sold to Farmer Tons

# Total Treated vs. Untreated Seed Reported for 2022

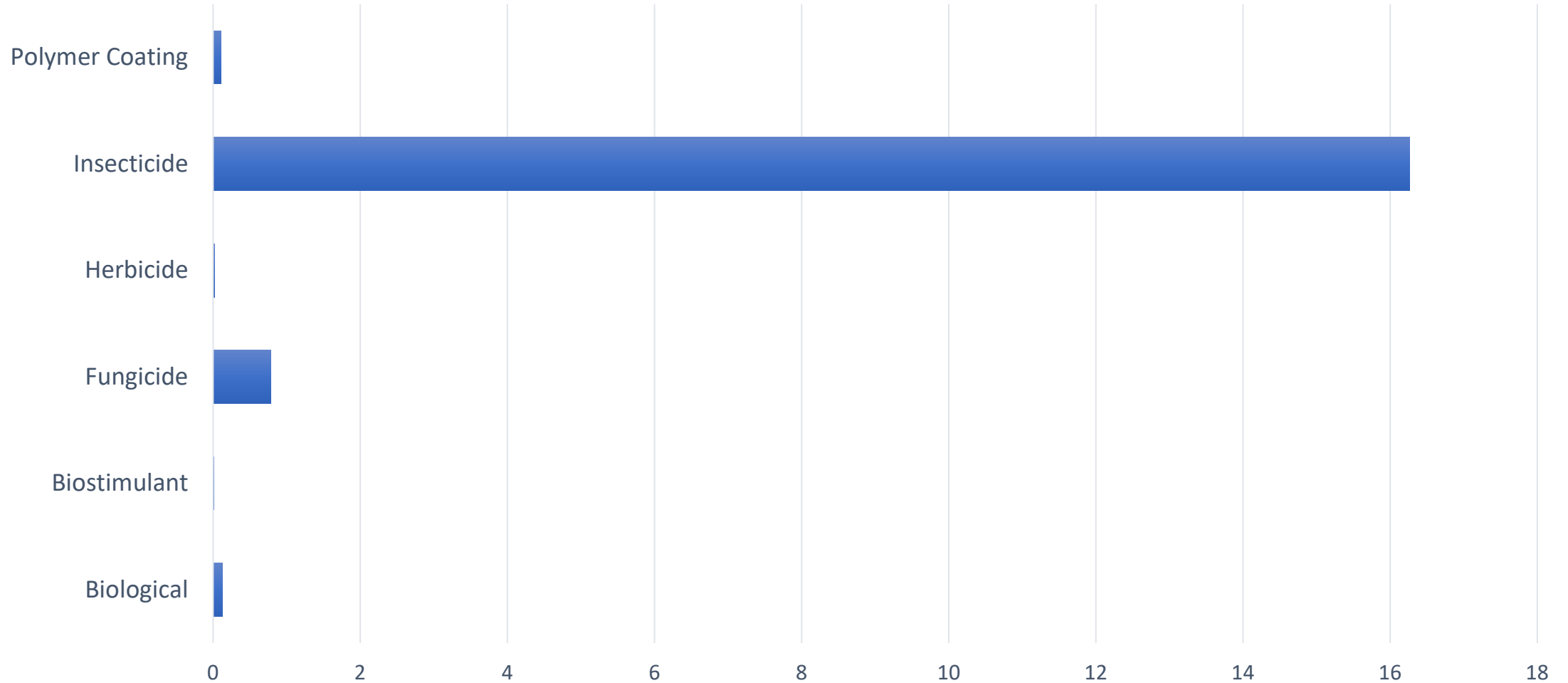
## 2022 Treated and Untreated Seed Reported (tons)



# Single vs. Combination Treated Seed Reported 2022

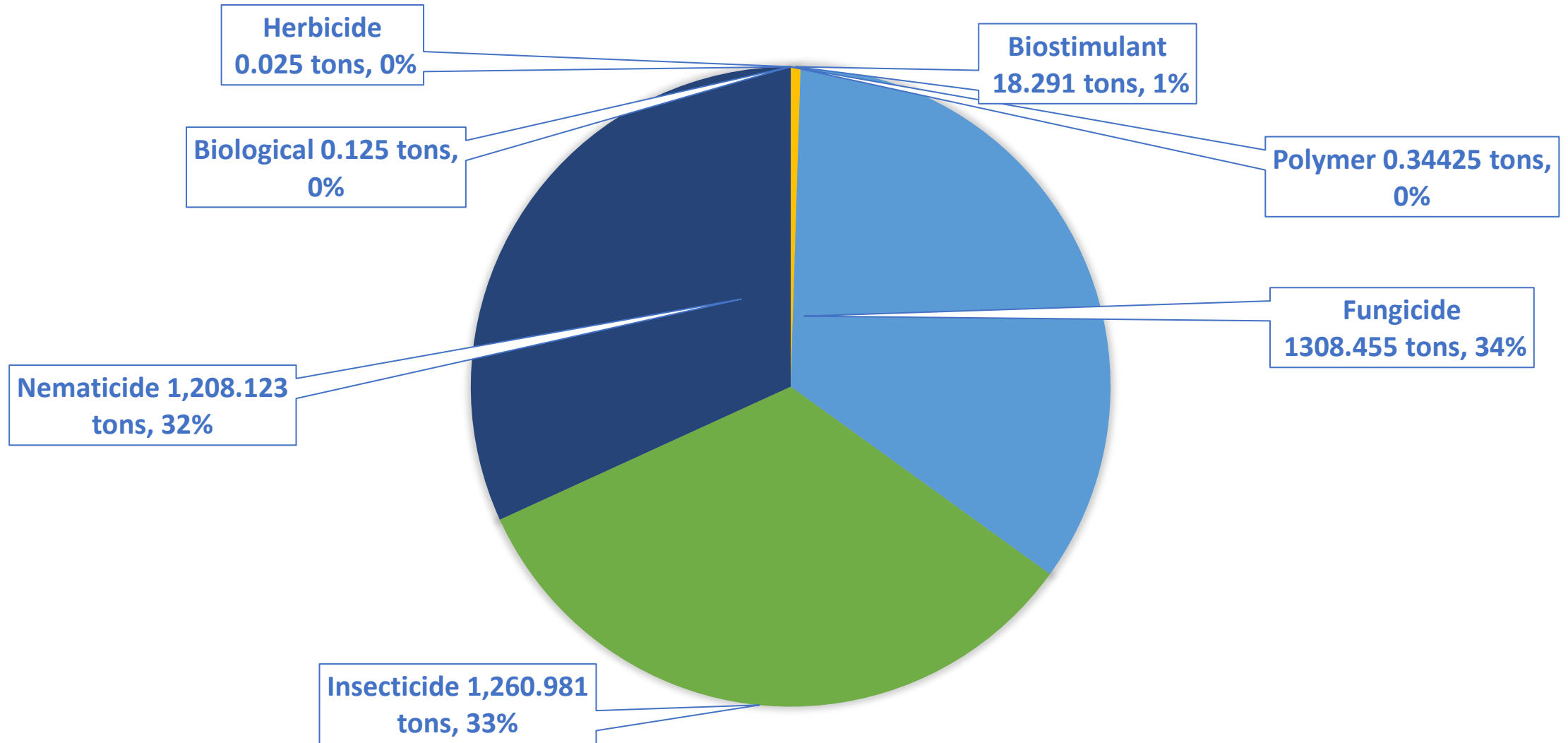


# Single Treatment Seeds Reported by Treatment Tons 2022

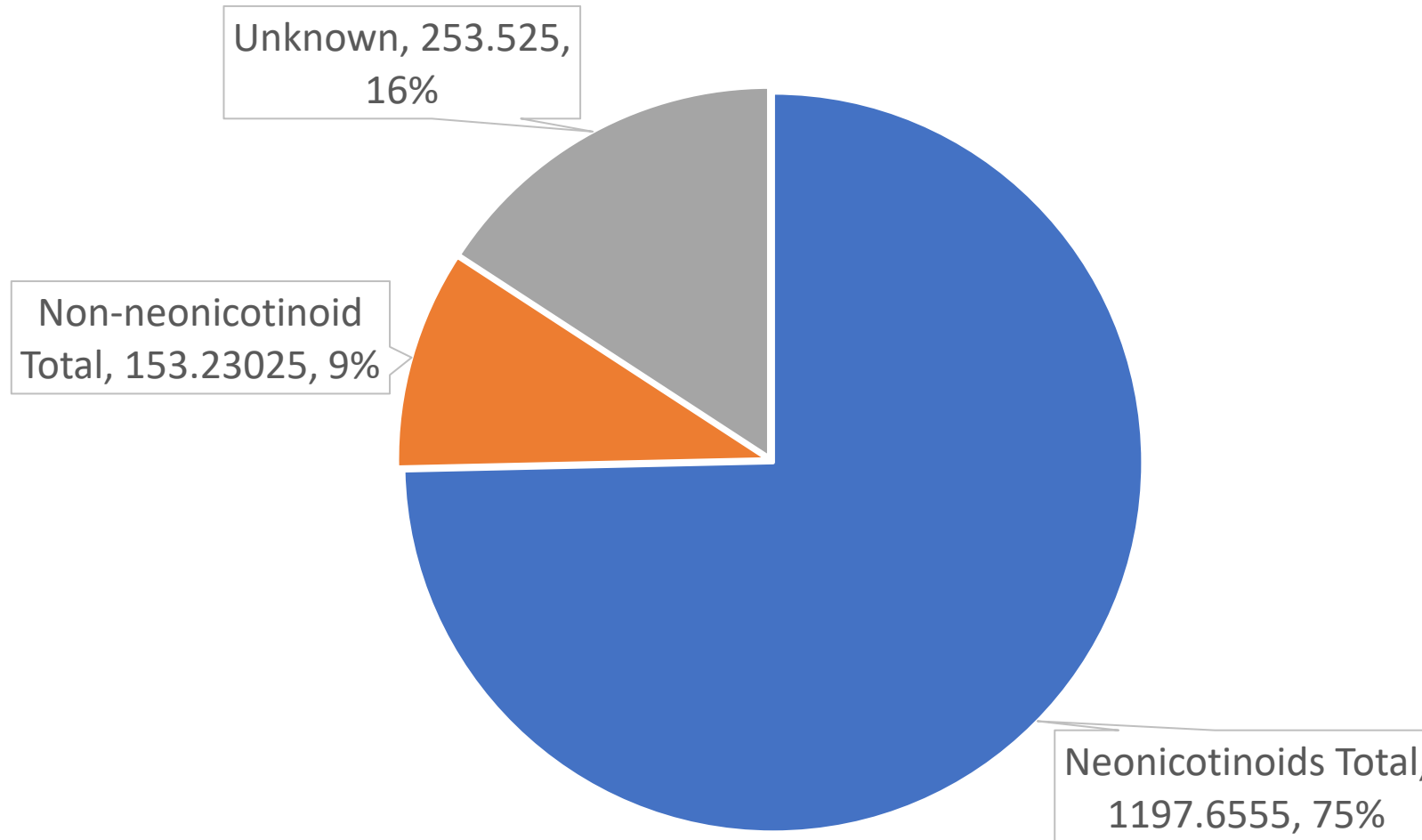




# 2022 Treatments in Tons Reported



# Neonicotinoid to Non-Neonicotinoid Treatments Applied for 2022



# Reported 2022 Treatment Agents

- Abamectin
- Clothianidin
- Azoxystrobin
- Clorantraniliprole
- Ethaboxam
- Fludioxonil
- Imidacloprid
- Ipconazole
- Mefenoxam
- Oxathiapiprolin
- Penflufen
- Picarbutratox
- Prothioconazole
- Pyraclostrobin
- Tebuconazole
- Thiamethoxam
- Trifloxystrobin

# Reported 2022 Treatment Agents

- *Bacillus amyloliquefaciens* strain PTA-4838
- *Bacillus amyloliquefaciens* strain MBI 600
- *Bacillus firmus* I-1582
- *Bacillus pumilus* strain BU F-33
- *Bradyrhizobium japonicum*
- *Rhizobium leguminosarum* viceae and phaseoli and *bradyrhizobium* biovar
- Selected strains of rhizobia bacteria
- *SinoRhizobium meliloti*

# Reported 2022 Treatment Agents

- Alkoxylated polyols
- Lipo-chitooligosaccharides
- Micronutrient Package
- Mixed minerals
- Zinc

# Questions?

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