

MICHIGAN STATE | Extension **Nitrogen Markets to Watch** 2024 U.S. NITROGEN IMPORTS BY COUNTRY OF ORIGIN **■ CANADA, 26%** (Other), 6% % of Total Global Nitrogen **■ UNITED ARAB Top Export Countries (2022) Exports EMIRATES, 1% ■** EGYPT, 2% Russia 10.4% ■ OMAN, 2% ■ RUSSIA, 19% ■ NIGERIA, 3% China 9.3% 6.9% ■ ALGERIA, 6% Oman 5.7% Qatar SAUDI ARABIA, 8% 5.62% Egypt ■ TRINIDAD AND **■ QATAR, 9% TOBAGO, 17%** Impacts on Nitrogen Supply

- War Russian-Ukraine War/ War in the Middle East
- Canada Infrastructure Reliability? (i.e., Railroad Strike)
- China export controls (i.e., quotas) in 2022 and again in 2024 to reduce domestic prices
 - Results in increased global prices
- U.S. Tariffs vs. Retaliatory Tariffs (Canada)



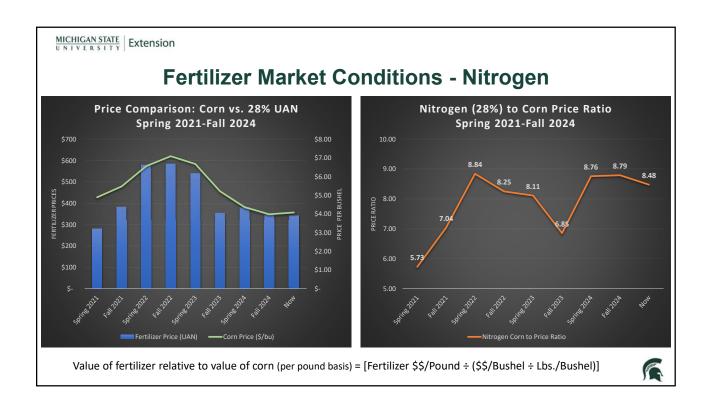


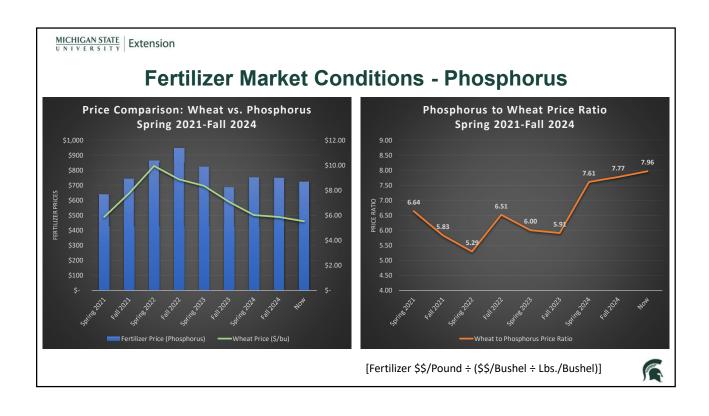
MICHIGAN STATE Extension 2024 U.S. PHOSPHORUS IMPORTS BY COUNTRY OF ORIGIN **Phosphate Markets to Watch** SAUDI ARABIA, ■ CANADA, 2% ■ AUSTRALIA, 4% 37% % of Total Global Phosphate ■ LEBANON, 4% **Top Export Countries (2022) Exports** ■ MOROCCO, 4% Morocco 21.3% ■ TUNISIA, 5% China 16.1% **■ EGYPT, 6%** 15.8% Egypt Israel 14.6% ■ ISRAEL, 12% ■ (Other), 8% Tunisia 5.05% ■ JORDAN, 9% **■** MEXICO, 9% Impacts on Phosphate Supply • Wars: Middle East, Russian-Ukraine

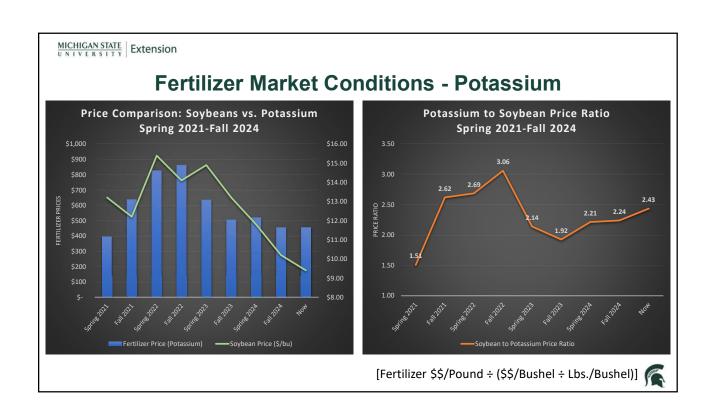
- China export controls (i.e., quotas) in 2022 and again in 2024 to reduce domestic prices
 - Results in increased global prices
- Hurricane Fallout (Helene and Milton) Domestic Supply
- U.S. Tariffs vs. Retaliatory Tariffs (Mexico)

















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Example of Target Setting

Product	Month	Pricing Target (relative)	Pricing Target
UAN28	October-Nov	Baseline -10%	~\$310/ton
UAN28	December	Baseline - 5%	~\$328/ton
UAN28	January	Baseline	~\$345/ton
UAN28	February-March	Baseline +10%	~\$380/ton



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Closing Thoughts...

Marketing/Input Purchasing is simple, just not easy

- Comfort with market environment/pricing tools takes time to build
- Grain Marketing
- Start by following futures prices and basis trends
- Input Purchasing
- Start by following natural gas and corn price trends

Make plans that use a few different tools

- Grain Marketing:
- Forward contracts, HTAs, basis contracts
- Input Purchasing:
- On-farm storage, discounts, quantities

Seek input from management team on plans

• Spouse, grain merchant, input retailer, lender, extension educator







