Quality of the United States Soybean Crop: 2025 2025年 アメリカ大豆の品質

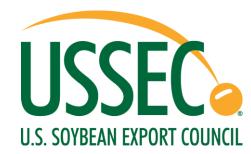
Seth Naeve and Jesse Christenson naeve002@umn.edu

1 November 2025













アイオワ州立大学

IOWA STATE UNIVERSITY



- Dr. Charles Hurburgh
- 1986-2005







- Dr. Seth Naeve
 - 2006-2025



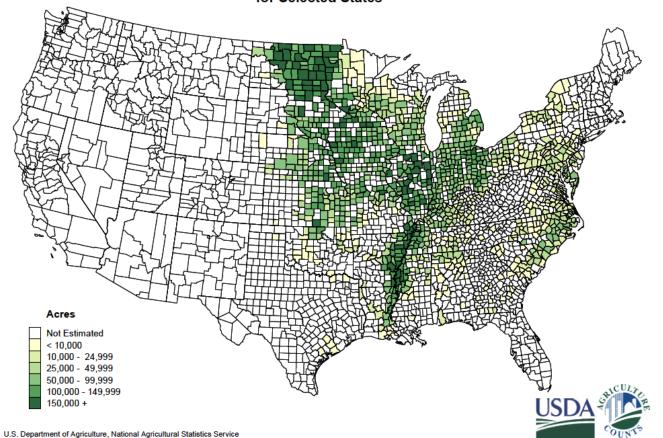
The Legacy レガシー



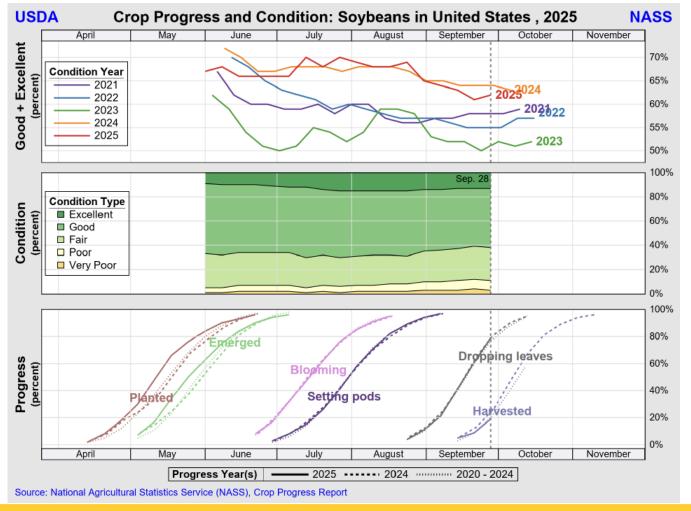
- Core Mission: Provide transparent, science-based data to sustain U.S. soybean export leadership and support our partners in their purchasing decisions by benchmarking U.S. Quality.コアミッション: 透明性が高く科学的根拠に基づくデータを提供し、アメリカ大豆の輸出リーダーシップを維持するとともに、アメリカ大豆の品質をベンチマークし、パートナーの購買判断を支援する
- Enduring Impact: 40 years of compositional data based on environment, production, and breeding underpinning marketing, feed formulation, human health, and international trust in U.S. soy. 永続的な影響: 環境・生産・育種に基づく40年分の組成データが、マーケティング、飼料組成、ヒトの健康、そしてアメリカ大豆に対する国際的信頼の基盤となる



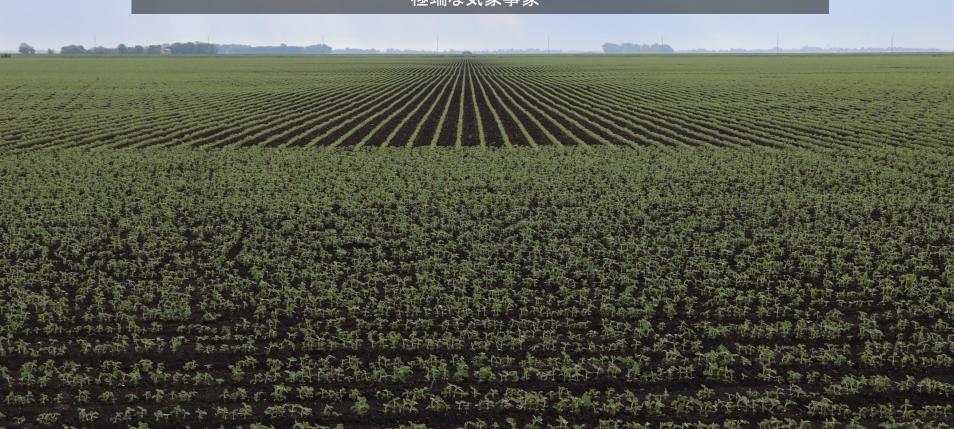
Soybeans 2024 Planted Acres by County for Selected States

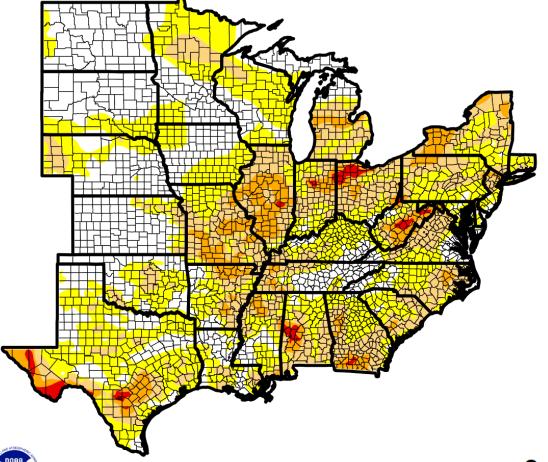






CRITICAL WEATHER EVENTS 極端な気象事象









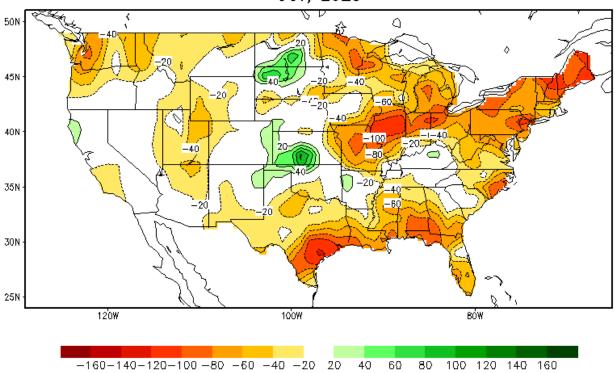




October 7, 2025

(Released Thursday, Oct. 9, 2025)
Valid 8 a.m. EDT

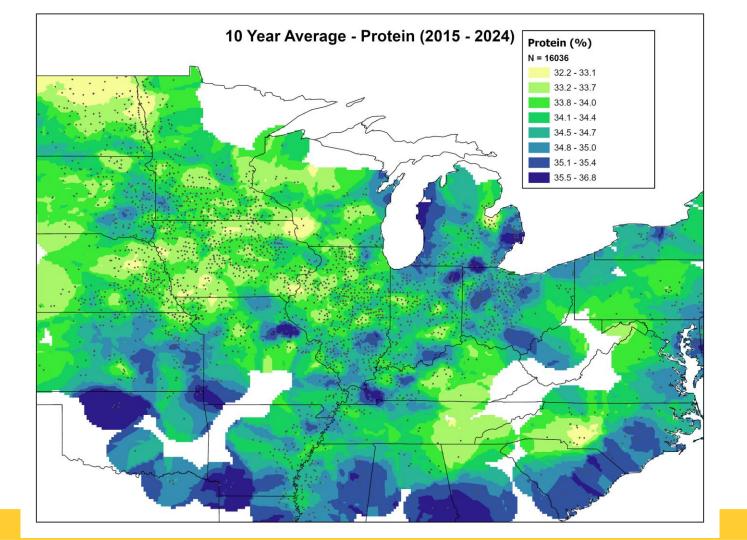
Calculated Soil Moisture Anomaly (mm) OCT, 2025



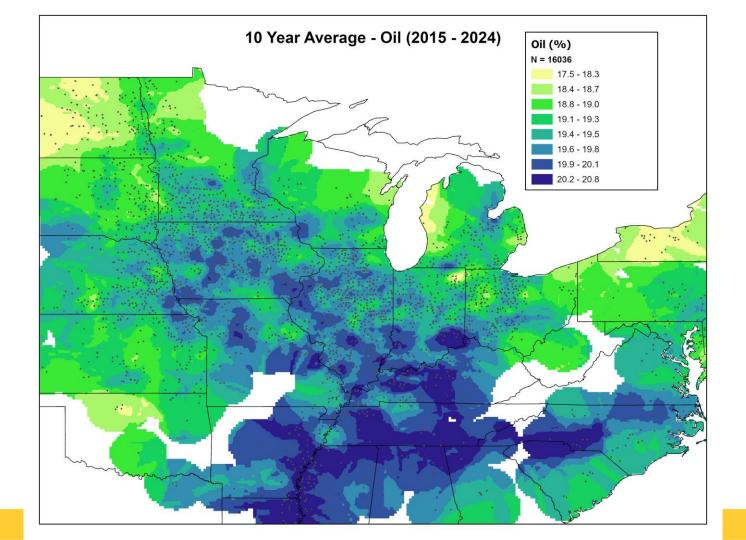




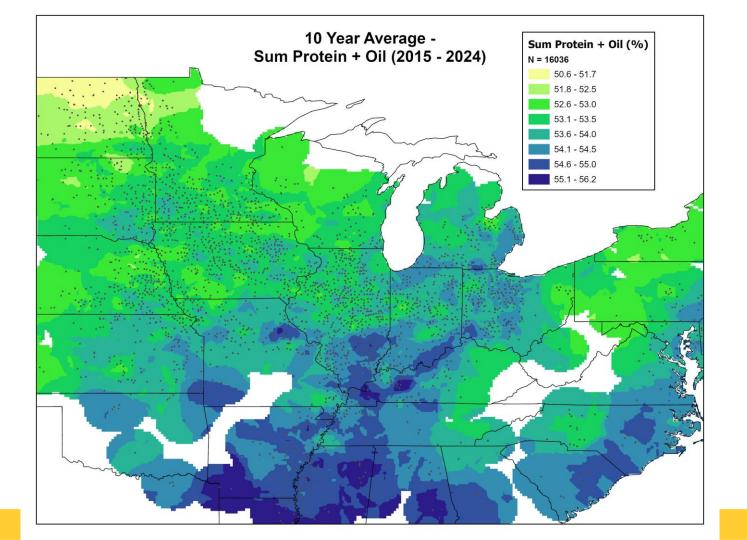
















2025 Survey Methods 調査の手法

 In August, sample kits were mailed to 3,941 soybean producers based on soybean production by state

8月には、州別の大豆生産量に基づき3,941人の大豆生産者ヘサンプルキットが郵送された

 By 27 October 2025, 1,024 samples were received for analyses

2025年10月27日までに、分析のために 1,024件のサンプルが受領されました。



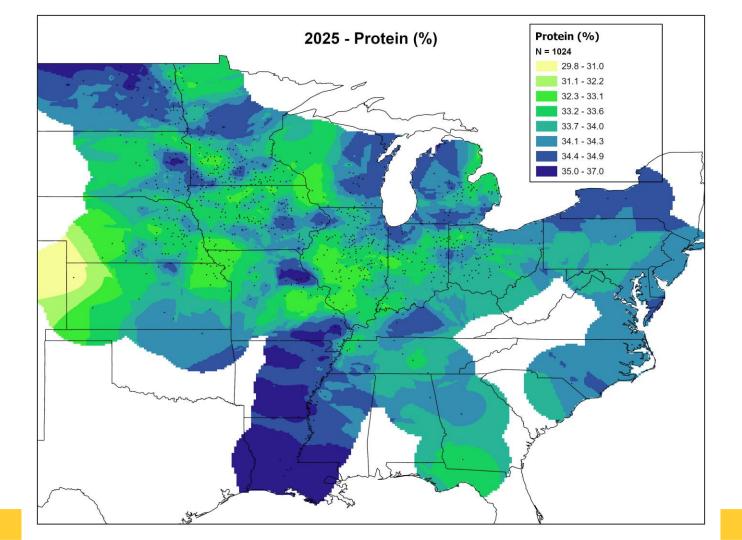


2025 U.S. average values 2025年產平均值

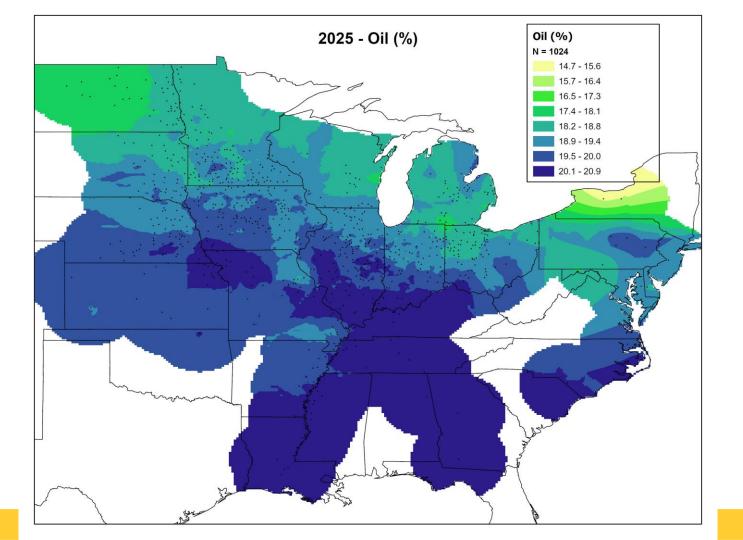
Region	Number of Samples	Protein (13%)	Change from 2024	Oil (13%)	Change from 2024	Seed Weight (g/100 seeds)
US Average	1024	33.8		19.3		15.4
Average of 2025 Crop [†]		33.8	-0.2	19.4	-0.5	15.2
US 2015-2024 avg.		34.0		19.5		

†US average values weighted based on estimated production by state as estimated by USDA, NASS Crop Production Report (September 2025)

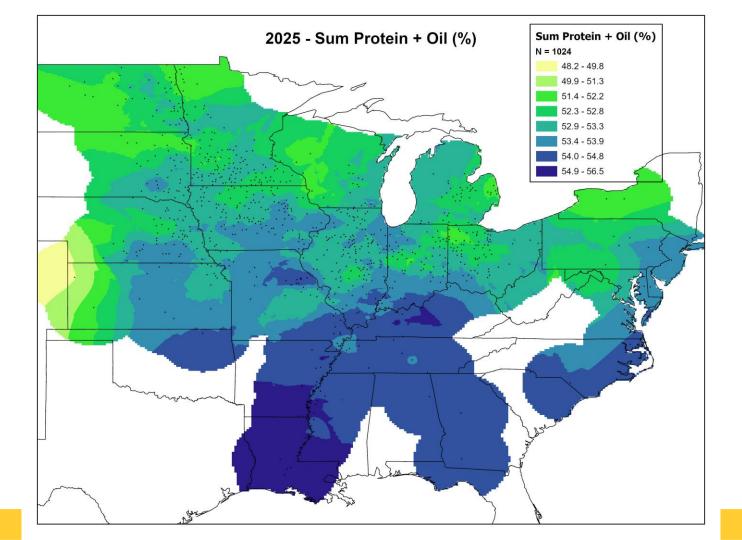




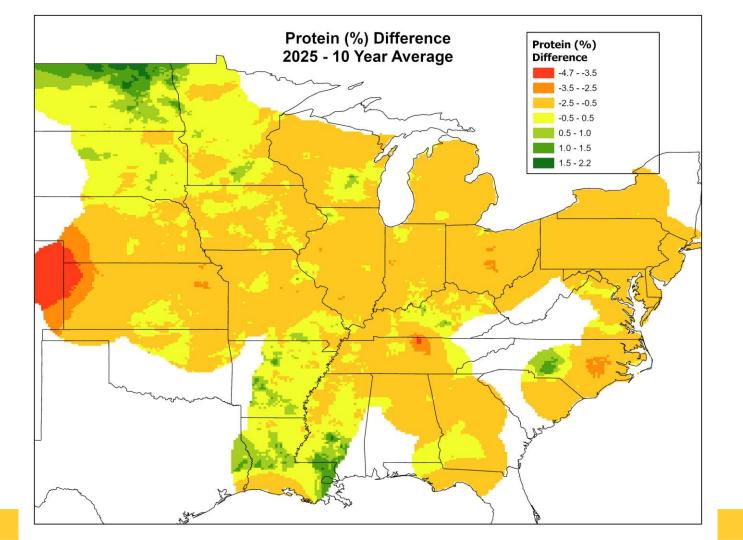




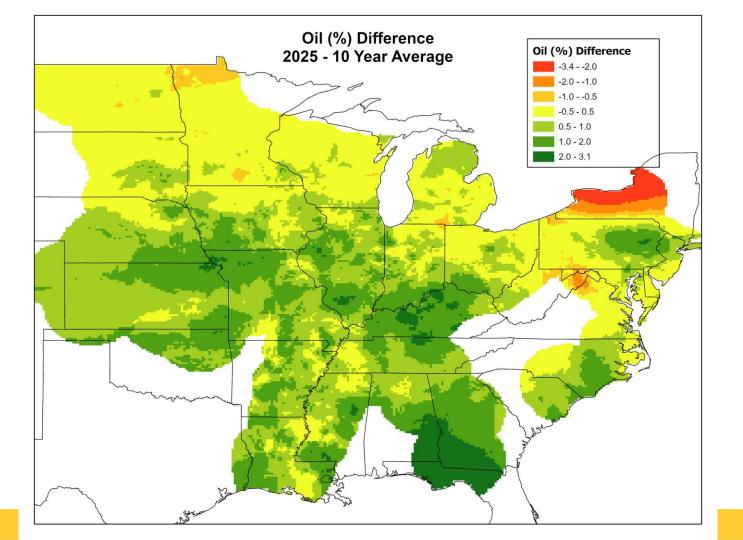




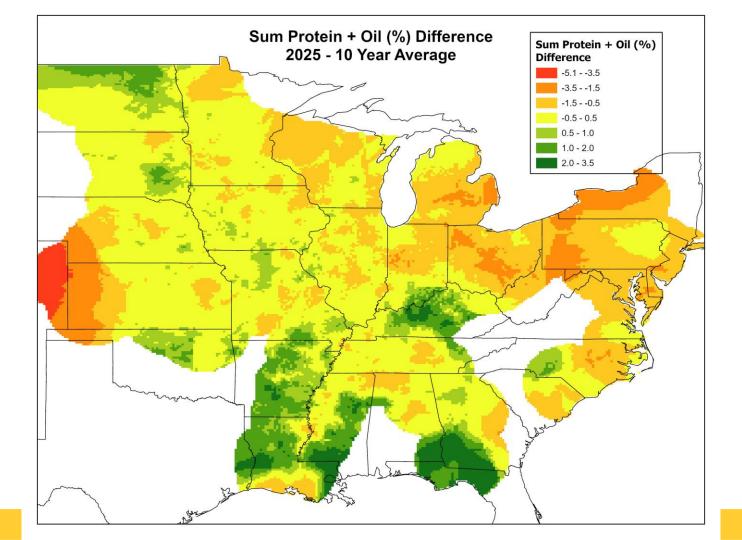




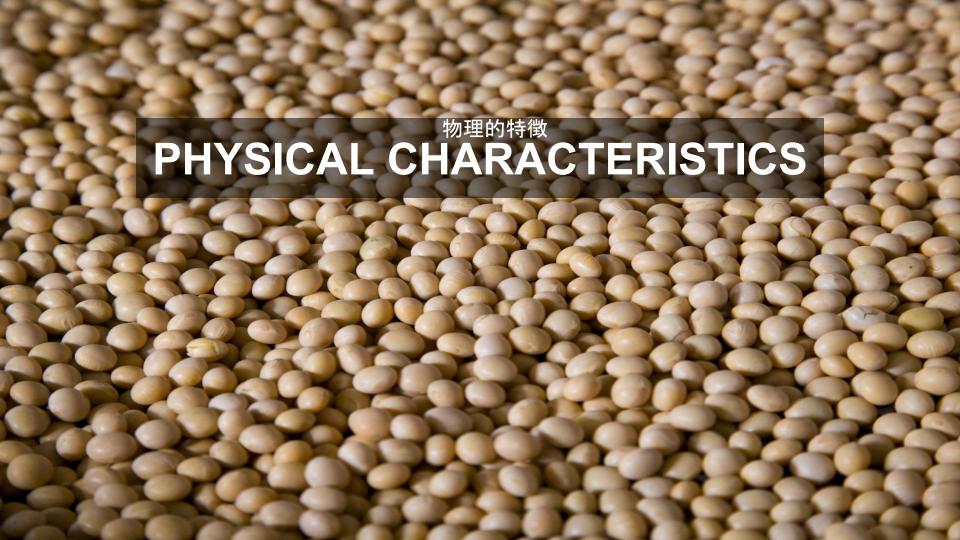


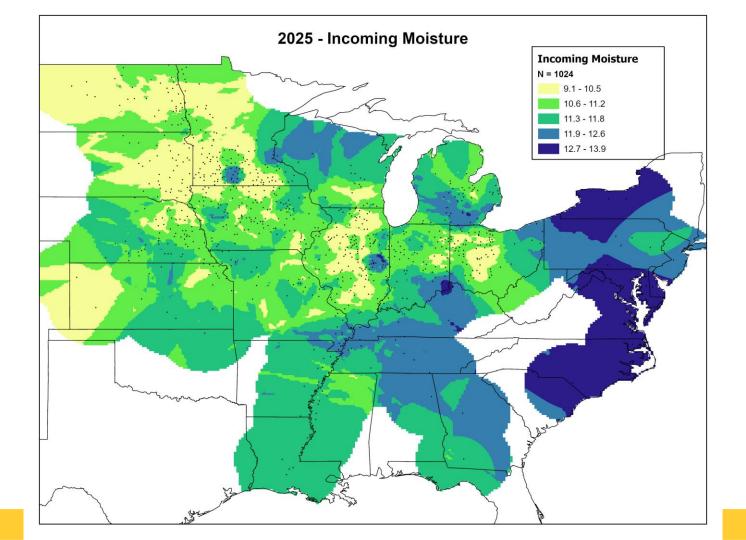




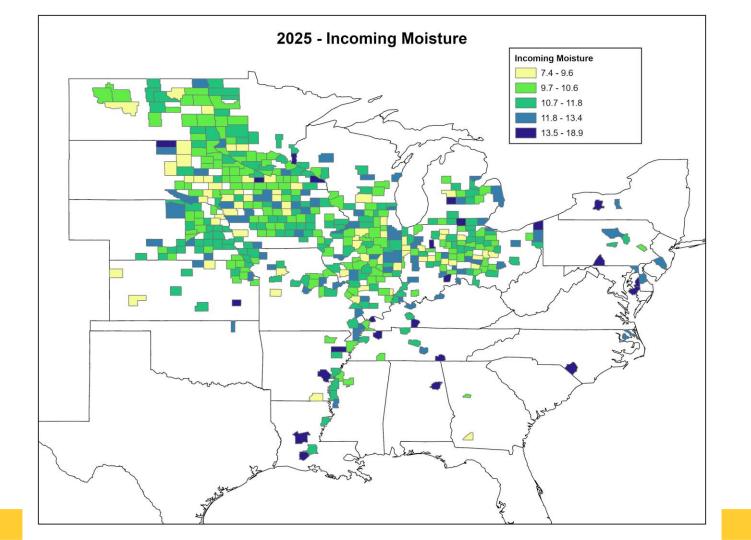














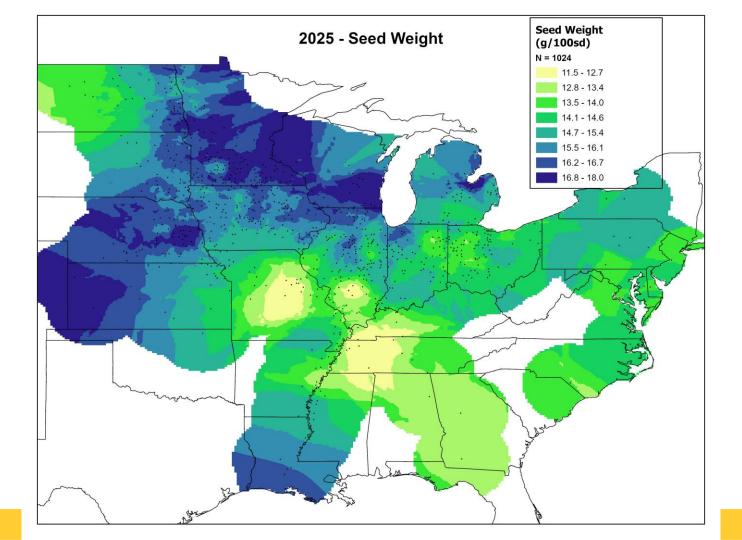
2025 Crop on an "as-is" basis

Region	Number of Samples		Protein	Change from 2024	Oil	Change from 2024
US Average	1024	(As-Is)	34.6		19.7	
Average of 2025 Crop†		(As-Is). 10.9%	34.6	-0.4	19.8	-0.7
Average of 2025 Crop*		(13%)	33.8		19.4	

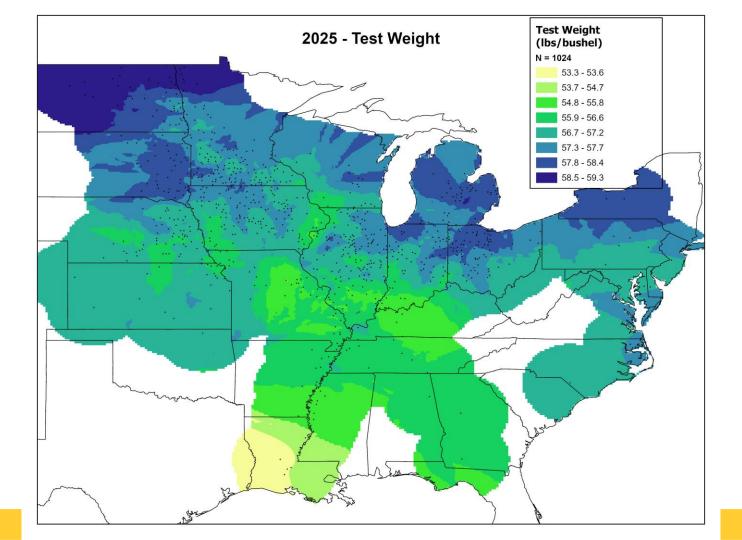
[†] Regional and US average values weighted based on estimated production by state as estimated by USDA, NASS Crop Production Report (October 2024)



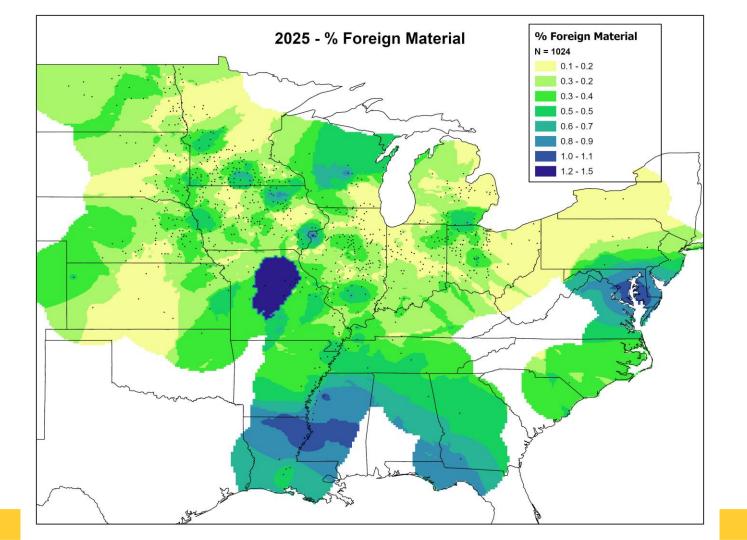
^{* 13%} moisture basis - US average values weighted based on estimated production by state



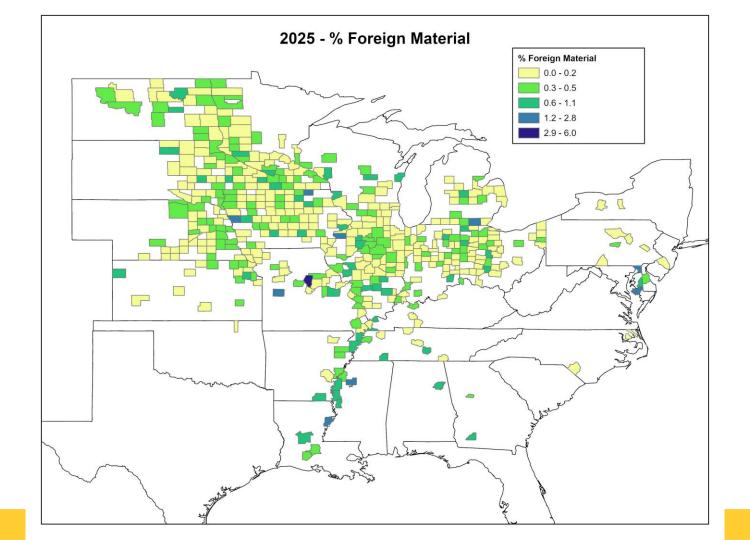










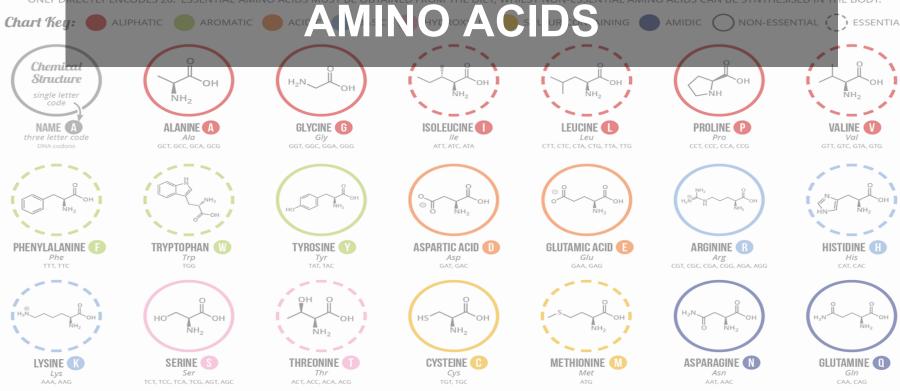




品質のより良い指標: アミノ酸

BETTER MEASURES OF QUALITY:

AMINO ACIDS ARE THE BUILDING BLOCKS OF PROTEINS IN LIVING ORGANISMS. THERE ARE OVER 500 AMINO ACIDS FOUND IN NATURE - HOWEVER, THE HUMAN GENETIC CODE ONLY DIRECTLY ENCODES 20. (ESSENTIAL AMINO ACIDS MUST BE OBTAINED FROM THE DIET, WHILST NON-ESSENTIAL AMINO ACIDS CAN BE SYNTHESISED IN THE BODY.



*This chart only shows those amino acids for which the human genetic code directly codes for. Selenocysteine is often referred to as the 21st amino acid, but is encoded in a special manner. In some cases, distinguishing between asparagine/aspartic acid and glutamine/glutamic acid is difficult. In these cases, the codes asx (B) and glx (Z) are respectively used.



大豆の価値を評価するためのより良い指標

Better measures of the value of soybeans

大豆は複雑で変動のある製品(コモディティ)です

Soybean is a complex and variable product/commodity.

従来の等級付け体系は、実際の価値と一致しません。

Traditional grading systems do not correlate well with actualvalue.

大豆および大豆粕は、主にタンパクの間接的な指標―「粗タンパク」―に基づいて評価されてきました

 Soybeans & soybean meal have been valued primarily on an indirect measure of protein – 'crude protein'

粗タンパクは、大豆(または大豆粕)の価値を最もよく表す指標ではない可能性があります

 Crude protein is probably not the best measure of a soybean (or a soybean meal's) value

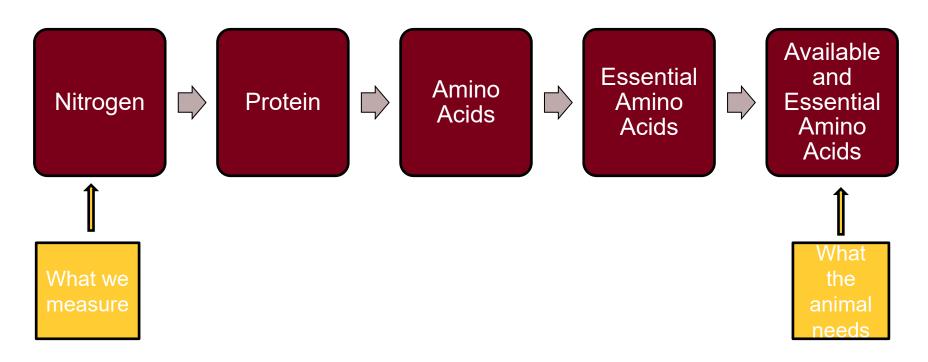
隠れた価値を見出せる最初の購買者が、追加の利益を確保します

The first purchasers who can find hidden value will capture additional profit.

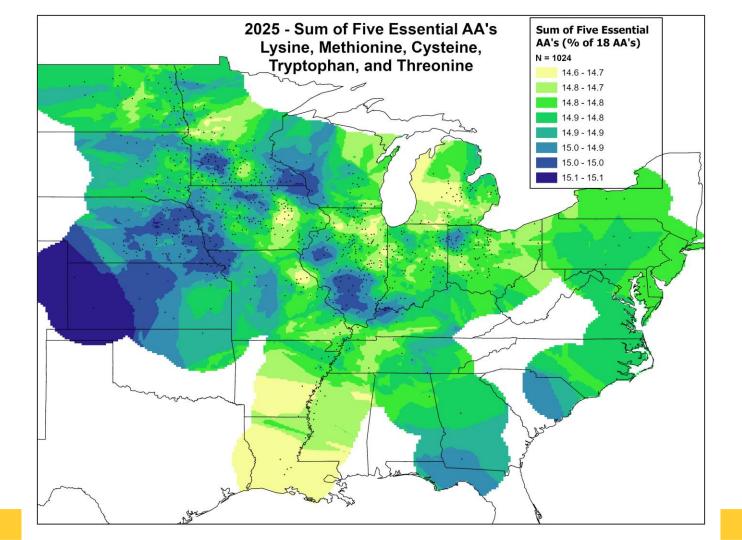


CP (N) is an indirect measure of quality

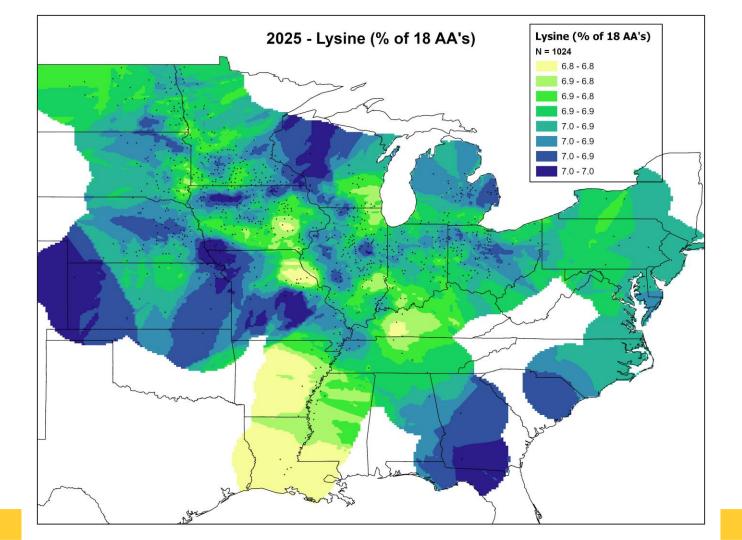
CP (N) は品質の間接的な指標です



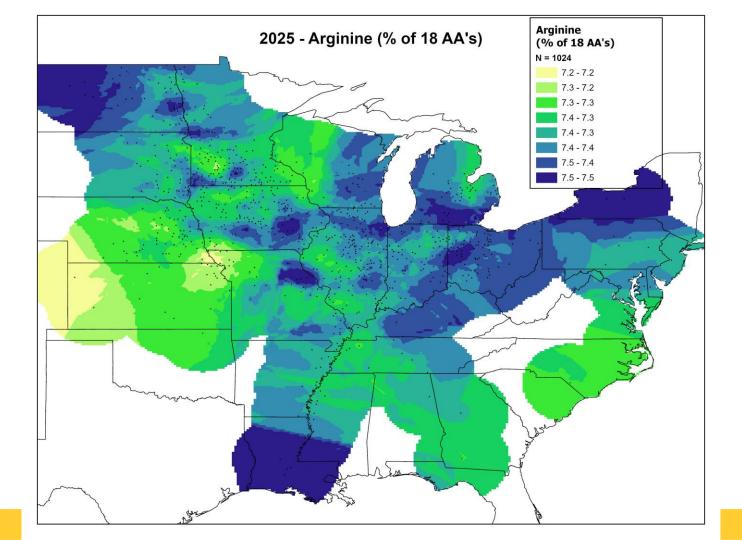






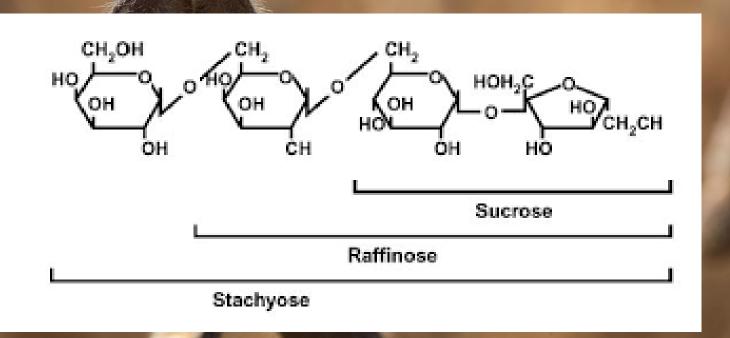


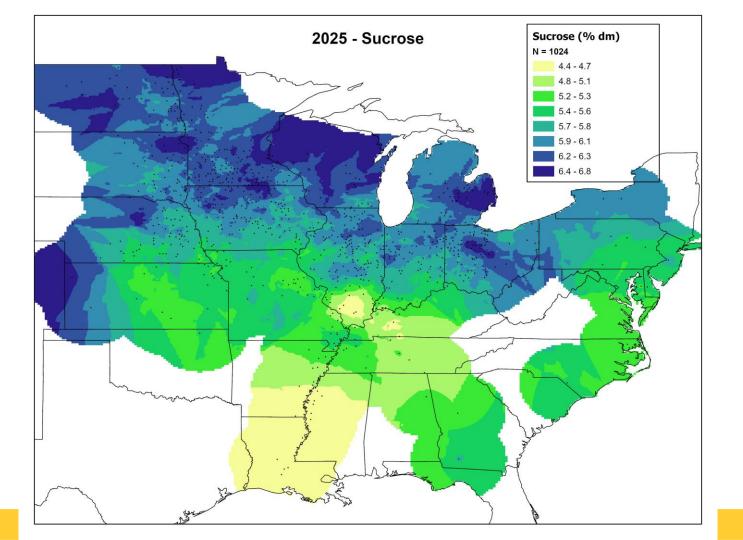






BETTER MEASURES OF QUALITY: SOLUBLE SUGARS







Summary まとめ



2025 brought record soybean yields and strong ANNIVER
 compositional uniformity, with slightly lower protein
 and oil, and record sucrose levels.

2025年は大豆の収量が過去最高を記録し、組成の均一性も高く保たれましたが、タンパクと油分はやや低めで、ショ糖(スクロース)の値が過去最高となりました。

 Despite area losses, the U.S. crop remains globally competitive with improved amino acid and energy potential for feed and consistent quality across years and regions

面積の減少にもかかわらず、アメリカの作物は世界的な競争力を保ち、飼料用の**必須アミノ酸とエネルギー潜在力が向上**し、年や地域を問わず**品質が一貫**しているという状況です



Funding provided by the USB







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