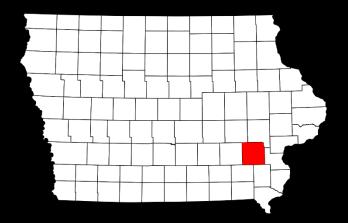
FOLIAR UREA TO INCREASE NITROGEN USE EFFICIENCY

Michael Vittetoe Washington, IA

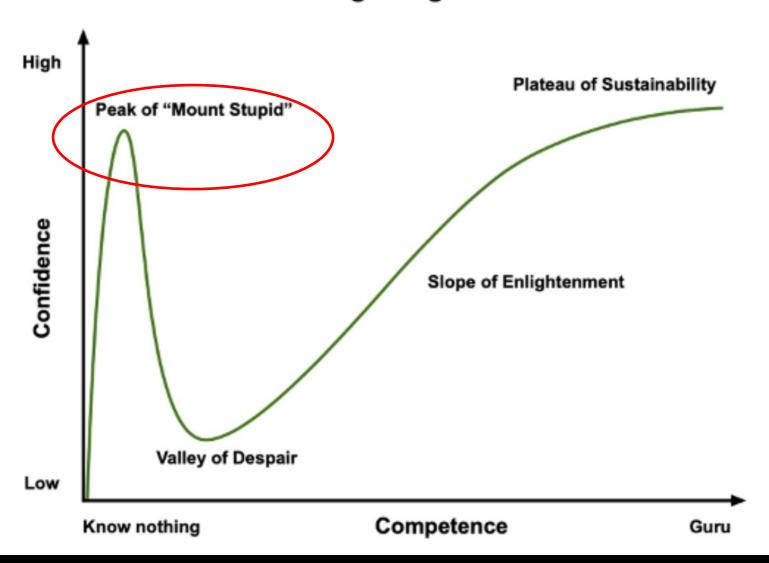
mvittetoe761@gmail.com

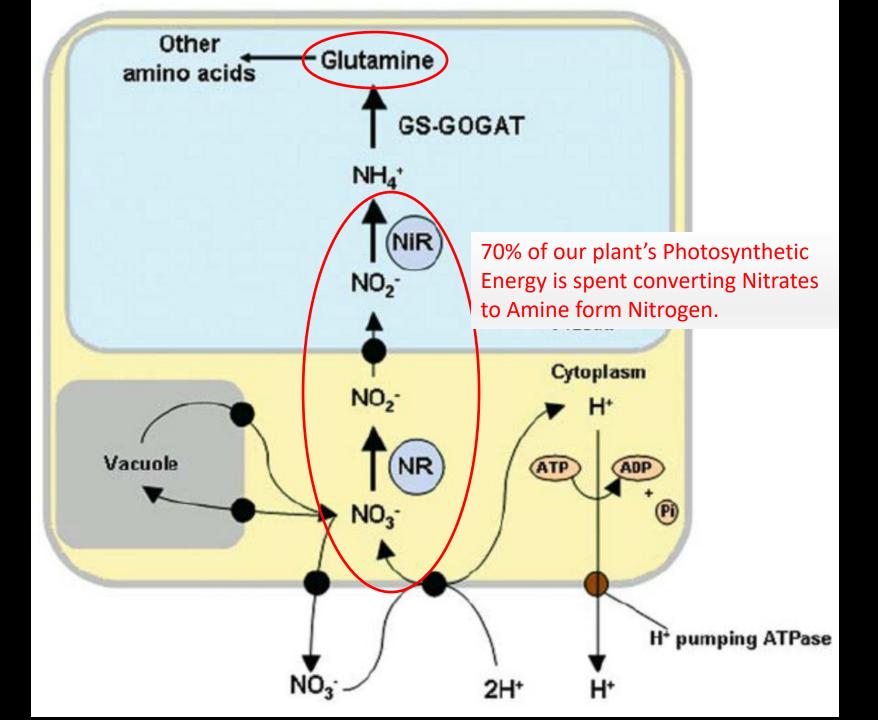
Twitter: @Vittetoe761



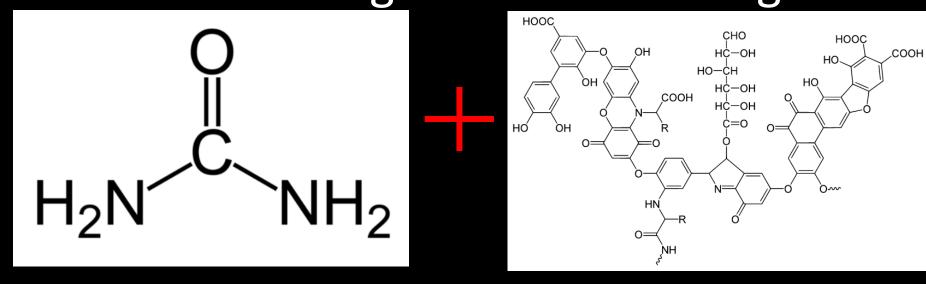


Dunning-Kruger Effect

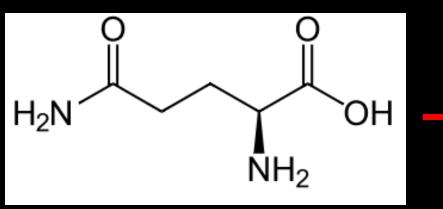




UREA (CH_4N_2O) Humic Acid ($C_9H_9NO_6$):
-amine form nitrogen Building Block



Glutamine $(C_5H_{10}N_2O_3)$



Other
Amino Acids,
And finally,
Protein

FOLIAR UREA

- 4-10x more efficient than soil applied nitrogen.
- NOT to be used as the foundation of a N program.
- Always mix w/ Humic Acid for foliar application.
 - 1-part Humic Acid to 20 parts Urea (5%)
- Never exceed 2% Urea in the total spray solution.
- Avoid application during heat of the day. (Burn)





Foliar Urea Resources

- DO YOUR HOMEWORK!!!!!
- Melting Urea: Fabian Seed Farms on YouTube
- Podcast: Graeme Sait's Nutrition Farming Podcast
- In-Depth Course: Joel Williams of Integrated Soils
 - Foliar Nitrogen online course starting February 2.
- YouTube University: Foliar Fert. & Plant Nutrition

Questions?

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