2020 Seed Treatment CIC Resources

ISU Seed Conditioning Workshops
- Contact: Alan Gaul, Seed Conditioning Specialist at (515) 294-4011, agaul@iastate.edu

Soybean Diseases
- Speaker: Daren Mueller, Associate Professor, Extension Plant Pathologist, Iowa State University, Ames, IA. 515-460-8000. dsmuelle@iastate.edu.
    o Research Update: Seed Treatment and Foliar Fungicide Impact on Sudden Death Syndrome and Soybean Yield. https://cropprotectionnetwork.org/resources/publications
- Speaker: Alison Roberson, Professor, Extension Field Pathologist, Iowa State University, Ames, IA. 515-294-6708. alisonr@iastate.edu.
    o Crop Protection Network. https://cropprotectionnetwork.org/
        ▪ Fungicide Efficacy for Control of Soybean Seedling Disease

Neonicotinoids
- What's on Your Seed? For copies, contact the Nutrient and Pest Management (NPM) Program at 608-265-2660, email npm@hort.wisc.edu, or visit ipcm.wisc.edu.
- Douglas, M.R., Sponsler, D.B., Lonsdorf, E.V. *et al.* County-level analysis reveals a rapidly shifting landscape of insecticide hazard to honey bees (*Apis mellifera*) on US farmland. *Sci Rep* **10,** 797 (2020). https://doi.org/10.1038/s41598-019-57225-w
- Making Decisions About Neonicotinoid Seed Treatment Use in Iowa Scouting & Field History Reports for Early Season Corn and Soybean IPM. http://iowaipm.xerces.org/wp-content/uploads/2017/05/Neonicotinoid-Seed-Treatment-Use-in-Iowa_web.pdf
- Mourtzinis, S., Krupke, C.H., Esker, P.D. *et al.* Neonicotinoid seed treatments of soybean provide negligible benefits to US farmers. *Sci Rep* **9,** 11207 (2019) doi:10.1038/s41598-019-47442-8. https://coolbean.info/wp-content/uploads/sites/3/2019/09/2019_Soybean_neonics_FINAL.pdf
- Perry, Edward and Moschini, GianCarlo, Neonicotinoids in U.S. Maize: Insecticide Substitution Effects and Environmental Risk (May 30, 2019). CARD Working Paper 19-WP 590. Available at SSRN: https://ssrn.com/abstract=3396781 or http://dx.doi.org/10.2139/ssrn.3396781
- EPA schedule for review of neonicotinoid pesticides. https://www.epa.gov/pollinator-protection/schedule-review-neonicotinoid-pesticides

Handling and Storage
- Pro-Blend® Closed Mixing System. https://www.micromatic.com/pro-blend
- How do I find my Local Emergency Planning Committee? https://www.homelandsecurity.iowa.gov/documents/ierc/LEPC_Contacts.pdf

Laws and Regs
- Speaker: Jeni Lara, Program Planner, Pesticide Bureau, Iowa Department of Agriculture and Land Stewardship, 515-281-8506. Jenifer.Lara@iowagriculture.gov.

PPE
- Acceleron Training on PPE for Treating Seed and Handling Treated Seed. http://www.acceleronsas.com/About/Pages/Stewardship.aspx
- Laundering Pesticide-contaminated Work Clothes, PS1778, Jan. 2016. https://www.ag.ndsu.edu/publications/crops/laundering-pesticide-contaminated-work-clothes

Continuing Instruction Course Information
- Pesticide Safety Education Program
    o http://www.extension.iastate.edu/psep/, 515-294-1101; Facebook: ISUPSEP, Twitter: @ISU_PSEP

- o Betsy Danielson, Extension Program Specialist, Iowa State University, 515-294-7293. betsydan@iastate.edu, @treatingseed
- Iowa Department of Agriculture and Land Stewardship, Pesticide Bureau
  - o https://iowaagriculture.gov/pesticide-bureau, 515-281-8591
  - o Email: pesticides@iowaagriculture.gov

Do This! Not That

Use this worksheet in conjunction with video clips of a pesticide storage area. Mark whether the situation is one you should do or not do and why you chose that answer.

Observation	Do This!	Not That	Why did you choose this answer?
1			
2			
3			
4			
5			
6			
7			
8			
9			