

Action Opportunities Worksheet



Team: Micronutrients and Trace metals

Near Term

- Collaborative Study Samples (Need help from Bill Hall & Magruder)
- Liquid NPK/Micro-Greg Bame Nachurs Alpine Solution?
- Spike liquid if needed
- ~~Homogeneity test: need guidance~~
- ~~ISO vs AOAC? Which protocol?~~
- Send test samples to participating labs
- ID possible collaborative labs: NC, FL, CA, OH, OR, Nachurs Alpine Solutions, CN, IN, CEM/Agilent, Thornton Labs, GA, Ed W.C. Levy, Inspectorate Tampa, LA(?), ?
- Is compost sample necessary?

Long Term

- Collaborative study data crunch
- Continue monitoring Hg methodologies
-

Action Priorities Worksheet



Team: Micronutrient and trace metals

Not Capable/High Priority

Capable/High Priority

- Collect Samples (Bill Hall & Magruder); liquid NPK/Micro-Greg Bame Nachurs Alpine Solution
- Send Test Samples to participating labs (Sharon) (6 in duplicate, total of 12)
- ~~Homogeneity testing of nonMagruder and nonNIST sample (Elaine, CEM & Steve, Agilent?~~
- Use Magruder liquid vs Nachurs?
- Sample Prep: Split (Teresa), Grind (Sharon) (Nancy Theix—protocol?)—only nonMagruder, nonNIST?

Not Capable/Low Priority

Capable/Low Priority

- Hg, review methods from previous forums
- Deepika: DMA-80 Direct Hg Analyzer by Milestone
- Agilent, Steve Wall to get me method information, ICP-OES & MS
- EDW Levy method: uses Au in all solutions, but ICP-OES, **LOD 0.013 ppm, LOQ 0.03 ppm (based on the EPA Std, lowest std method to determine LOD/Q)**(EPA 3051A) (Used as screening method to report to IDEM for land application studies), ERA #540: 19.9 ppm +/- 33.9%; QC Limits: 13.8-25.9, PT Performance 10.2-29.5



Team:

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1	Action Idea: SLV Simultaneous Determination of Nutrient and Nonnutrient Metals in Fertilizer	Champion: Sharon	Date Started: 09/09	
			Target Completion:	
WHAT needs to be done?		WHO will do it?	WHEN will it be done?	✓
1.	Bill to get Sharon list of retained samples from 2006	Bill Hall	3/25/15	?
2.	Collaborative Study Protocol	Sharon	12/19/14	✓
3.	Send out 2 of each for practice: digested and undigested for lab ability	Sharon	04/1/15	
4.	Homogeneity test of samples as needed: 3/3 samples	Elaine/Steve <3	ASAP, if needed	
5.	Finalize List of collab samples	Group	02/19/15	
6.	Start Collaborative Study by sending out samples	Sharon	11/1/15	
				✓

2	Action Idea: Collaborative Study of above	Champion: Sharon	Date Started: 09/01/13	
			Target Completion:	
WHAT needs to be done?		WHO will do it?	WHEN will it be done?	✓



Team: _____

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3	Action Idea: Soluble minerals <i>(I think this is in different group? Hugh's?)</i>	Champion:	Date Started: 02/20/14	
			Target Completion: 02/20/14	
WHAT needs to be done?		WHO will do it?	WHEN will it be done?	<input checked="" type="checkbox"/>
1. Gather methods (FL & OR)		Patty/Erik		X
2. Review methods (FL & OR)		Group		X
3. Evaluate applicability of methods to definitions		Group		X
4. Form consensus to determine capability: chelated method good starting point, but soluble method not so much. Polls of regulatory needs to occur to pursue soluble. It's not defined for minerals in OP. Chelated is, so if begin, start with chelated method.		Group		X

4	Action Idea:	Champion:	Date Started:	
			Target Completion:	
WHAT needs to be done?		WHO will do it?	WHEN will it be done?	<input checked="" type="checkbox"/>