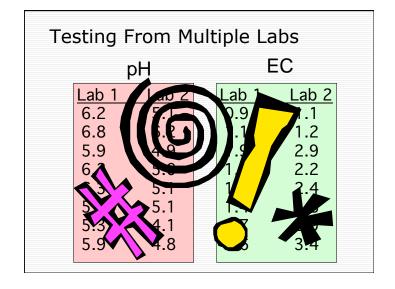


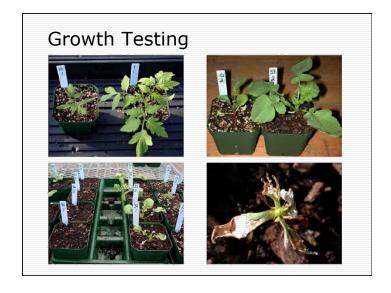
Mulch & Soil Council Manufacturers' association Producers of Potting Soils Soil Amendments Mulches Mulches Focus is on retail products Wanted help on standards Mulch & Soil Council



Standards: Phys. & Chem. Valu		
<u>ltem</u>	Standard	Premium
рН	4.5 - 7.5*	5.5 - 7.0
EC**	≤ 5.5 mmhos	1.0 - 5.5 mmhos
NO ₃	NA	10 - 200 ppm
P ₂ O ₅	NA	≥ 3 ppm
K ₂ O	NA	≥ 25 ppm
Ca	NA	≥ 30 ppm
Mg	NA	≥ 10 ppm
Na	NA	≤ 130 ppm
Cl	NA	≤ 200 ppm
Water HC	≥ 50%	≥ 65%
Air Space	≥ 5%	≥ 8%
Hydration Index	NA	≥ 0.80











Certification Testing

- Volume
- ☆ Grow Test
 - Seedling survival
 - Plant growth
- ✿ Initial tests
- ★ Annual audits



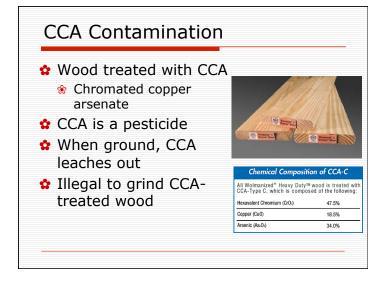


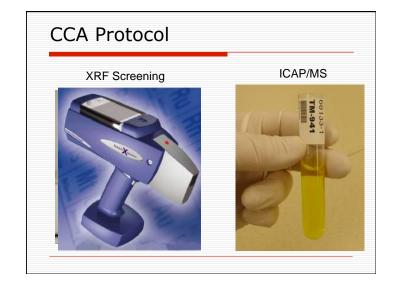


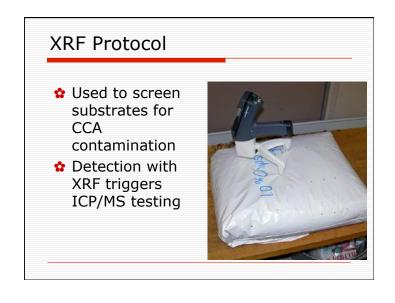


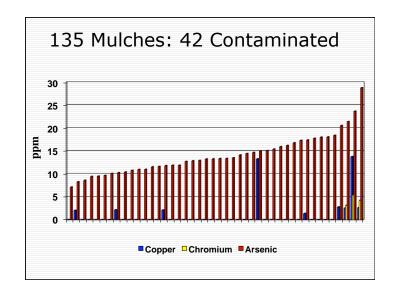


Red Mulch Problem Red mulch contained arsenic Red mulch base was ground pallets Ground pallets contaminated with additional pressure treated wood

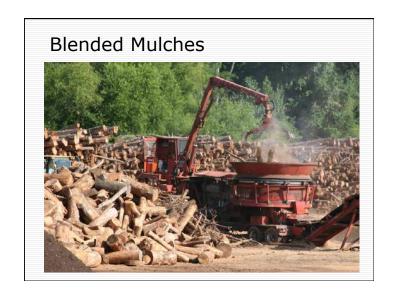
















Certification Program 2014

- ♣ Largest voluntary program of its kind in the US
- Testing
 - Initial application
 - Annual audit
 - * 1,000 bags per year





