

Lab Testing Results – Hall’s Herb Farm 10/7 and 11/22

Problem: Grower is experiencing high mold and yeast counts on product samples sent to lab for testing. Multiple failed tests on previous crops in 2022 have resulted in loss of profit and damaged reputation of grower. The most recent crop was harvested, cuttings were packaged in early October 2022, and samples were sent to Licensed lab for testing 10/7/22.

(*1)First Sample 10/7/22 : Product has a 33,000 cfu/g Mold & Yeast count as shown in image below--- **FAIL** Crop can’t be sold and is considered a total loss as tested. Screen shot of results below.

MICROBIALS			
Analysis Date: 10/10/2022		Analyzed by: KJP	
		Instrument: PathogenDx	
Compound	Conc. In Sample (CFU/g)	Action Level (CFU/g)	Pass
E. Coli - (STEC)	ND	1	Yes
Salmonella SPP	ND	1	Yes
Aspergillus Flavus	ND	1	Yes
Aspergillus Fumigatus	ND	1	Yes
Aspergillus Niger	ND	1	Yes
Aspergillus Terreus	ND	1	Yes
Yeast & Mold	33,000	10,000	No

Results: **FAIL**

Solution: Expose the failed cuttings to a NebulaOne™ Hypochlorous (HOCL) application for 30 minutes and repackage sample cuttings for 2nd round of testing. This was performed on 11/21/22 and taken to the same lab the following day for retesting.

Results: (*2)Second Sample 11/22/22: Treated cutting has 6,900 cfu/g Mold & Yeast count as shown in image below--- **PASS**. Crop is a total save and can be sold.

MICROBIALS			
Analysis Date: 11/22/2022		Analyzed by: KJP	
		Instrument: PathogenDx	
Compound	Conc. In Sample (CFU/g)	Action Level (CFU/g)	Pass
E. Coli - (STEC)	ND	1	Yes
Salmonella SPP	ND	1	Yes
Aspergillus Flavus	ND	1	Yes
Aspergillus Fumigatus	ND	1	Yes
Aspergillus Niger	ND	1	Yes
Aspergillus Terreus	ND	1	Yes
Yeast & Mold	6900	10,000	Yes

Results: **PASS**

NebulaOne™ technology by Arcus kills mold, doesn’t affect the plant, leaves no residue, and is perfectly safe around people and pets. Our HOCL is Certified Organic, contains no additives, EPA/FDA approved, and requires no PPE when handling or applying.

*1-LIMS Number: DNL-100622-001
Batch Number: CherryGarSeeYa9522

*2-LIMS Number: DNL-111722-004
Batch Number: CherryGarSeeYa9522



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