TECH TIP: ALYSSUM PLUGS - FOLIAGE YELLOWING

Question: We are seeing a yellowish hue on our Alyssum foliage, as well as dwarf plants. We had an initial problem with Phyllotreta Cruciferae (crucifer flea beetle) as the bite marks show, but don't feel it is related. We do spray twice a week for downy mildew.

Answer: The yellowing demonstrates overwatering and potentially a Pythium infection. The green slime (algae) on the soil (greater in the cells with yellow plants than green plants) supports this observation of overwatering. See orange circle in the photo. I also see fungus gnat or shorefly adults on the leaves (blue circle), another indication of too-wet growing conditions.

The key is to make sure that once the germination is completed (cotyledons unfolded) where a level 3-4 moisture is critical, that you go to a level 2-4 to make sure the soil dries between irrigations. The level 4 is when a drip comes out of the bottom of the cell while level 2 is dry on top with mid brown (not tan) on the bottom. Reference the substrate moisture table.

A lot of plug operations use a tray weight method, where they identified the weight in grams for each moisture level. You might want to start determining your specific tray weights. We found out that this helps many growers identify correct moisture levels, as the 1-5 scale can be subjective.







