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Salt-Out Temperatures & What To Do

The use of liquid fertilizers continues to increase every year due to ease of use and nutrient efficiency. Knowing how to handle these solutions properly in the winter months is key to avoid Salting-Out at your facility or at the farm.

What is Salting-Out...

Salting-out is referred to when crystals form in the bottom of storage tanks as the solutions temperature drops with the outside temp. These crystals are fertilizer solids that could no longer be held in product solution at the new lower temperature, warm water can hold more product in suspension than cooler water. Salt-Out will happen anywhere the solution is stored, for example: tanks, inside irrigation lines, inside pumps, even at the irrigation emitters. Salt-Out can occur between 32°F-55°F for most of TMN's products, please refer to your SDS and Label for each product's specific Salt-Out Temps (SOT)

What to do...

Be in the habit of flushing all the equipment with fresh water after use in fertigation applications or blending. Store IBC Totes inside facilities with temperatures above the labels SOT. If Salt-Out occurs warmer days could help, but the most reliable method to bring crystals back into solution is warm water and agitation.



MOVING THE NEEDLE WITH NITROGEN