

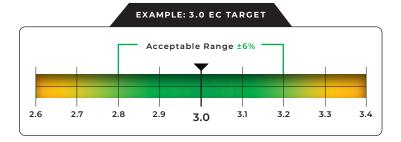
BATCH RESERVOIR EC TROUBLESHOOTING



Expected EC Tolerances

Mixing concentrate tanks is not highly accurate due to the reasons listed. Our batch testing validates that the mineral balance is always within our established ranges and regulatory tolerance. When mixed at any concentration, this is considered a "reference solution" meaning that at any EC or dosage rate, the mineral ratio is consistent.

Plants adapt to small variations in EC as they do variations in substrate pH. **Plus or minus 6% is acceptable** and will not impact fertilizer performance.



NOTE: A stock concentrate should always be validated by hand mixing a small batch or running through a dosing system to ensure the output to the crop is within the desired range.

A01.001

What can affect output EC?

Containers and measuring devices

- a. Surface tension
- b. Inaccurate line markings
- c. Inaccurate filling

±5%

Bag weight variations

- a. Absorbing moisture or dry out can vary bag weight
- b. Filling rate can vary slightly



Meter calibration

- a. Water temperature impacts meter accuracy
- b. Old or dirty probes
- c. Manufacturer variability



Injector settings

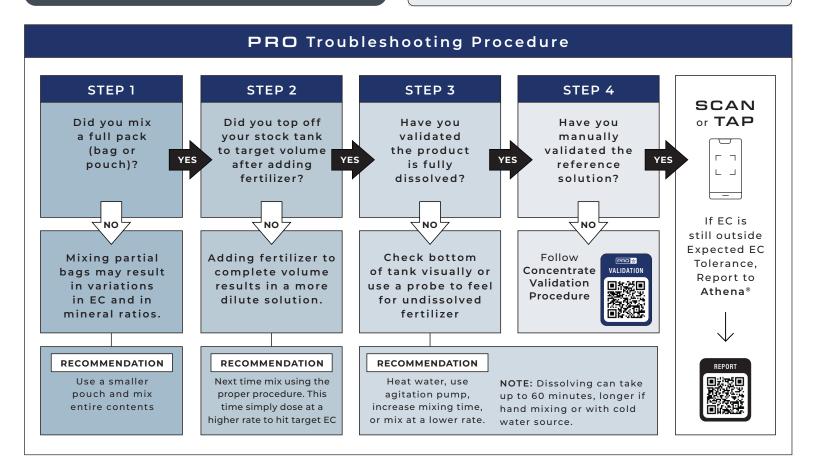
Upper and lower ranges have different variability



Mixing procedure

a. See Troubleshooting Procedure





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