Checklist before starting each field:

1. With all sensors engaged, drive 100ft with the unit in the ground.
2. Ensure the unit is running level and the EC coulters are penetrating the soil ~2".
3. Working in conjunction with the tractor's top link, adjust implement gauge wheels to deepen the EC coulters and level the unit.
4. The primary way of changing the pitch of the MSP3 is the tractor’s top link. This also alters the front cleaner depth and pitch of the OM sensor.
5. Set front cutting coulter to loosen the soil ~2". Or at least deep enough to loosen soil below the OM sensor.
6. Ensure that the OM sensor is at least 1.5" deep and soil is pressed firmly under the OM wear plate. See #4, #8 and #9 to make adjustments.
7. Ensure side depth wheels on row unit are pressed firmly against soil. To increase down pressure see #9.
8. Set OM sensor depth to match conditions. It must run at a consistent depth throughout field.
9. Increasing down pressure of the row unit can keep sensor and depth wheels pressed firmly against the soil.
10. Check to make sure soil has flowed through pH sampler. If soil is not flowing refer to #11.
11. Lowering the depth of the pH sampler shank and increasing field speed can improve soil flow.
12. Ensure field has uniform residue, moisture, tillage, etc. and refer to “Field Operations” to learn best practices for quality data collection.