SOIL NUTRIENT ANALYSIS
MEHLICH 3 SUBMISSION GUIDE

SNA Mehlich 3 Test (M3) determines the concentration and ratios of soil base cations Calcium, Magnesium, Potassium, and Sodium. Cation Exchange Capacity (CEC) balancing is the foundation of regenerative agriculture and can be extremely useful in creating a platform for biological soil health. It is typically used in the fall to monitor soils for annual mineral enrichment or a 1-time soil correction. By combining traditional CEC testing with our Leaf Extract Analysis in one database, growers have the opportunity to understand how cation ratios can affect plant nutrient uptake and balance through Interception.



SUBMISSION INSTRUCTIONS:

1. **Collect** a representative sample from each test block by taking 10+ cores. Mix all the cores together and provide at least 2 cups of soil per test.
2. **Place** the sample into a Ziploc or Apical provided submission bag. The maximum size of each sample should not exceed 1 quart.
3. **Order** reports online at https://www.apical-ag.com/grower/order/quick?step=1.
4. **Print** out your order summary and include it with your shipment.
5. **Write** the sample numbers from your order summary on each bag.
6. **Mail** samples (including check/money order or paid submission form) and order summary to:

Apical Crop Science LLC
1382 SE 3rd Ave, Suite 4
Canby, OR 97013

DO NOT SEND ANY INTERNATIONAL LEAF, SOIL, WATER, CNA SAMPLES WITHOUT PRIOR WRITTEN APPROVAL FROM APICAL. SUBMISSIONS THAT DO NOT COMPLY WITH THE ESTABLISHED SAMPLING PROTOCOL WILL BE DEEMED INVALID.

TIPS FOR BEST RESULTS:

- Depth of each core should be determined by the average plant height. See chart.
- Sample size should be a minimum of 2 cups.
- Sample weak or troubled areas separately.
- Test method typically utilized in the Fall.
- Take samples when the soil is at Field Capacity (not saturated or overly dry).

Crop Height	Core Depth
0-12"	0-6"
12-30"	0-10"
30"+	0-16"