

# REGENERATIVE AGRICULTURE

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Attachment 1



# REGENERATIVE AGRICULTURE

- IS A FARMING APPROACH THAT FOCUSES ON *RESTORING AND ENHANCING* THE HEALTH OF THE SOIL.
- IT GOES BEYOND SUSTAINABILITY BY AIMING TO REGENERATE DEGRADED LAND, IMPROVE BIODIVERSITY, AND STRENGTHEN THE RESILIENCE OF OUR FARMING SYSTEMS.
  1. MINIMIZE SOIL DISTURBANCE
  2. KEEP THE SOIL SURFACE COVERED
  3. INCREASE PLANT DIVERSITY
  4. MAINTAIN A LIVING ROOT
  5. INTEGRATE LIVESTOCK INTO THE CROPPING SYSTEM

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## Nonfarm Grassland

## 30+ Years of Conventional Tillage

<u>SOIL TEST DATA</u>	<u>Sample 1</u>	<u>Sample</u>
pH	<b>8.9</b>	VH
Salts, mmhos/cm	<b>1.8</b>	M
Chlorides, ppm	<b>193</b>	VH
Sodium, meq/100g	<b>2.70</b>	H
CEC, meq/100g	<b>17.2</b>	M
Excess Lime, %	<b>7.3</b>	H
Organic Matter, %	<b>1.67</b>	M <i>12</i>
Organic N, lb/Acre	<b>35</b>	L
Ammonium - N, ppm	<b>2.2</b>	VL
Nitrate - N, ppm	<b>6</b>	L <i>3.5</i>
Phosphorus, ppm	<b>20</b>	M

<u>SOIL TEST DATA</u>	<u>Sample 1</u>	<u>Sample 2</u>
pH	<b>8.3</b>	H
Salts, mmhos/cm	<b>0.9</b>	L
Chlorides, ppm	<b>35</b>	M
Sodium, meq/100g	<b>0.60</b>	L
CEC, meq/100g	<b>17.0</b>	M
Excess Lime, %	<b>11.4</b>	VH
Organic Matter, %	<b>2.20</b>	M
Organic N, lb/Acre	<b>45</b>	M
Ammonium - N, ppm	<b>7.8</b>	L
Nitrate - N, ppm	<b>3</b>	VL
Phosphorus, ppm	<b>42</b>	VH

# CONSIDERATIONS

- COVER CROPS USE MORE WATER
  - THEY ARE NOT CHEAP
- NO TILL AND STRIP TILL PRACTICES ARE RELIANT ON PRECISION EQUIPMENT , GMO AND ROUNDUP TECHNOLOGIES
- IN 2026-WE WILL CUT OUR SYNTHETIC FERTILIZER USAGE BY 25%



# THANK YOU!



**Amalgamated  
Sugar**



Snake River  
**Sugarbeet**  
GROWERS ASSOCIATION

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