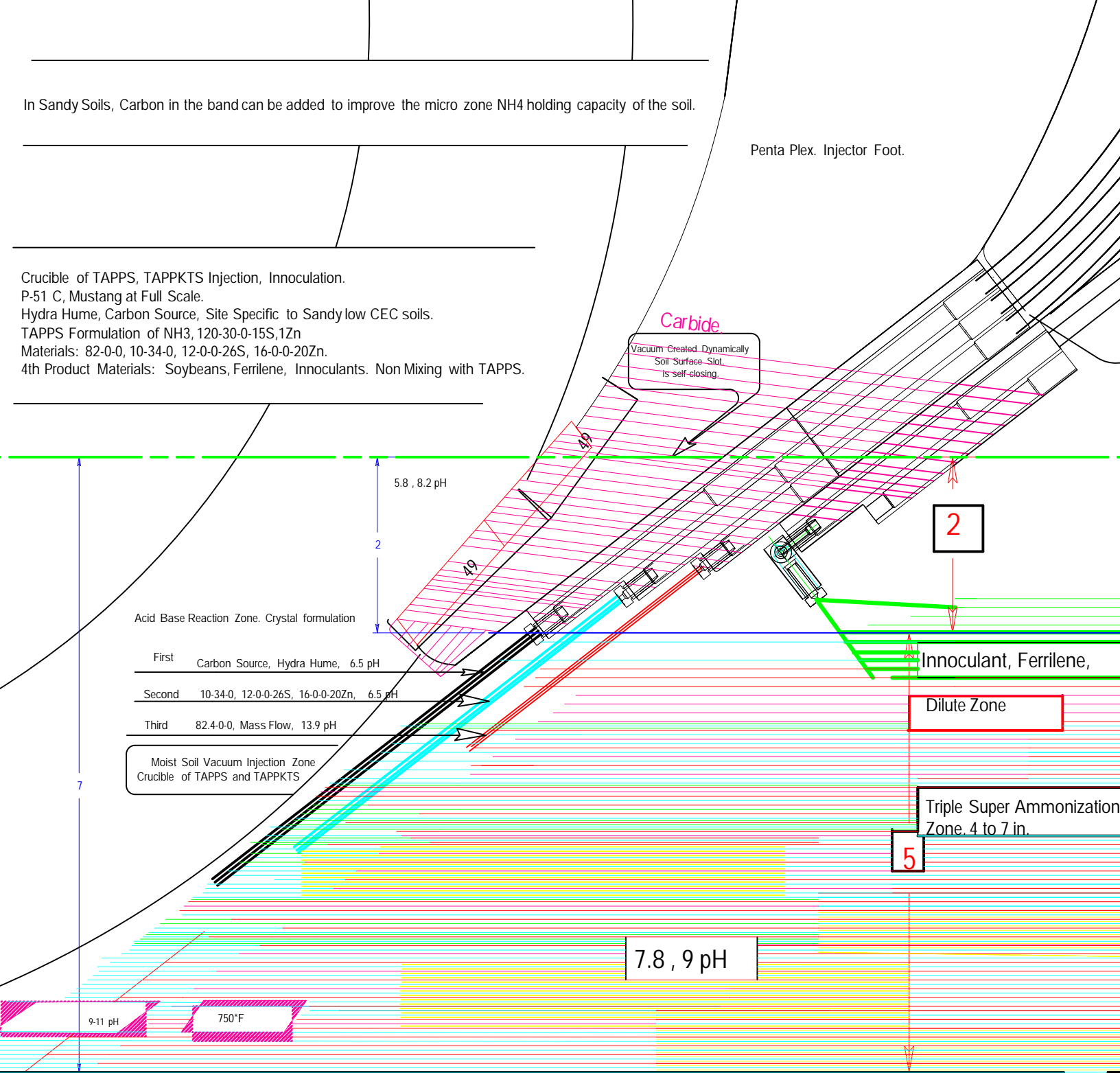


In Sandy Soils, Carbon in the band can be added to improve the micro zone NH4 holding capacity of the soil.

Penta Plex. Injector Foot.

Crucible of TAPPS, TAPPKTS Injection, Inoculation.
 P-51 C, Mustang at Full Scale.
 Hydra Hume, Carbon Source, Site Specific to Sandy low CEC soils.
 TAPPS Formulation of NH3, 120-30-0-15S, 1Zn
 Materials: 82-0-0, 10-34-0, 12-0-0-26S, 16-0-0-20Zn.
 4th Product Materials: Soybeans, Ferrilene, Inoculants. Non Mixing with TAPPS.



Acid Base Reaction Zone. Crystal formulation

- First Carbon Source, Hydra Hume, 6.5 pH
- Second 10-34-0, 12-0-0-26S, 16-0-0-20Zn, 6.5 pH
- Third 82.4-0-0, Mass Flow, 13.9 pH

Moist Soil Vacuum Injection Zone
 Crucible of TAPPS and TAPPKTS

Innoculant, Ferrilene,

Dilute Zone

Triple Super Ammonization
 Zone. 4 to 7 in.

7.8, 9 pH

Vermiculated Vertical Column of Crystalline TAPPS, TAPPKTS, AZn and Micro nutrients.
 Acid Base Reaction with 14 pH NH3 and 6.0 to 7.0 pH of APP/ATS/KTS.
 Temperature of reaction similar to a TVA Reactor at 750 degrees F.
 Applied at accuracy levels of 1% CV with high pressure orifice injection.

Triple Super Ammonization Zone, 4 in to 7 in. pH 7.8 to 9.0
 Band width: At 7 inch depth, .140 to .5 inch width at top.
 7 to 7.5 inch depth.
 Following Application, Band Crystallization, Improved P availability.
 Designed for improved P uptake in acid and alkaline soils.
 15 inch bands, 140 pounds N as NH3 APP/ATS/KTS/AZn/Micros.