



BARLEY

Testing Authority: Centre for Promotion of Science and Technology of the National Supply Coordination Department Peoples Republic of China

Objective: To determine the effectiveness of (a) using Orykta® to amend soils (b) production rates of certain crops grown on soils amended with Orykta®; and (c) establish guidelines for commercial use of Orykta®.

Experiment Conditions: 2.5 mu with Orykta®; 2.5 mu of Control Plots without Orykta®
5mu= 2 HA (hectares); 1mu = 0.165 acre, or 0.4 HA

Method: 110 kg of Orykta® was spread evenly on the surface of the soil before it was plowed. Orykta® plot – used 50% less urea compared to control plot.

Bean Variety: Luc-Dan 50 and Lu Yuan-Dan 14

Summary of Results:

- ✓ Salt-alkali levels dropped in Orykta® plot
- ✓ High pH levels dropped in Orykta® plot. Contents of Mg, Ca, and other minerals in Orykta plot decreased.
 - Orykta® plot – 8.2 pH
 - Control plot – 9 pH
- ✓ 50% reduction of chemical fertilizers in Orykta® plot saw no reduction of yield.

SHANDONG
PROVINCE

CENTRE FOR
PROMOTION OF
SCIENCE AND
TECHNOLOGY OF
THE NATIONAL
SUPPLY
COORDINATION
DEPARTMENT

“Compared with previous years, the sprouting rate was higher in the Orykta® plot and there were less dead sprouts.”