

ROTATION BUILDER

Kansas Revised Universal Soil Loss Equation 2 (RUSLE2)

Training Exercise 1

Task: In this exercise you will use the rotation builder to build a corn and soybean no-till system for Crop Management Zone (CMZ) 24. With the rotation builder, single-crop or single-year templates are pieced together to form multi-year or multi-crop rotations.

Step-By-Step Procedure:

1. With RUSLE2 booted up, close all screens (begin with a blank screen).
2. Click on the yellow clipboard **Management** icon at top of screen.
3. Double click on **CMZ 24, c. Other Local Mgt Records**, then **Default**. Left click **Open**.
4. Click the box that says **Open** to the right of the heading **Rotation builder for this management**.
5. Click on the drop-down arrow on line 1 under **Management** (on the upper part of the rotation builder screen).
6. Double click on **CMZ 24**
7. Double click on folder **a. Single Year/Single Crop Templates**
8. Navigate through **Corn; grain\30 in** and double click **Corn grain; NT Z24**.
9. Click the + (plus) button above line 1 under **Man**. Line 2 will appear.
10. Click on the drop-down arrow on line 2 under **Management**
11. Navigate through **Soybeans\30 in** and double click **Soybeans; NT Z24**
12. Click the **Apply/Close** button in lower-left corner of screen.

Note: You are now in the Management screen and you can review the inputs for this corn-soybean rotation. Are they correct? Notice the **Duration, yr** box in the top center of screen.

13. Under **Yield (# harv. units)** change the corn yield from 112 to **150** and the soybean yield from 30 to **45**.
14. Click the **Save As** icon in upper left of the RUSLE2 screen or, click **File > Save As**.
15. Type the name of this rotation in the box at bottom **NT Corn Soybean**.
16. Then **Save**.