What really happened for Objectives/Performance Targets and Methods

The following table is a compilation of how the cooperating producers and county agents proceeded with the project.

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| --- | --- | --- | --- | --- | --- | --- |
| Timeline | Producer A irrigated  no-till | Producer A irrigated  conventional | Producer B irrigated  No-till | Producer B Irrigated  conventional | Producer C  Irrigated  no-till with conventional on last year | Producer D dryland  No-till |
| Summer 08 | Roundup 1 qt/acre on sod | Roundup 1 qt/acre on sod |  |  | Roundup 1 qt/acre on sod |  |
| Fall 08 | Winter Wheat using 9350 JD hoe drills | Chisel with spikes, Disk, Chisel with 16 inch sweeps | Roundup 2 qt/acre on sod | Roundup 2 qt/acre on sod | Winter wheat using John Deere air drill |  |
| Spring 09 | Reseeded to barley using JD disk drill | Seeded to barley using JD disk drill | Seeded to barley  Using JD double disk drill | Disk, disk and plow, drill barley, roller | Sprayed broadleaf weeds |  |
| Summer 09 | Sprayed broadleaf weeds  Poor stand did not harvest estimated at ½ ton per acre | Sprayed broadleaf weeds  Harvested 2 ¾ tons per acre | Sprayed broadleaf weeds  Harvested 2 tons per acre | Sprayed broadleaf weeds  Harvested 2 tons per acre | Harvested 4.3 tons per acre  Planted permanent stand pulling disk, harrow and JD no-till air drill in one pass |  |
| Fall 09 |  |  |  |  | Rolled field | Roundup 1 qt/acre on sod |
| Spring 10 | Evaluated did not need weed control seeded to alfalfa using broadcast spreader and harrowed 2 directions | Evaluated did not need weed control. Chiseled with sweeps, disked, harrowed seeded to alfalfa using broadcast spreader and harrowed 2 directions | Planted barley | Disk, disk and plow, drill barley, roller |  | Planted barley using no-till drill ground was hard and compacted resulting in poor seed to soil contact |
| Summer 10 | Harvested 1 ton per acre alfalfa | Harvested 1 ton per acre alfalfa | Harvested 2 tons per acre | Harvested 2 tons per acre | Harvested 2 tons per acre grass/legume mix with 1 ton per acre regrowth for grazing | Deer and ground squirrels from adjacent land destroyed crop |
| Fall 10 |  |  |  |  |  |  |
| Spring 11 |  |  | Planted alfalfa/grass mix with John Deere double disk drill with roller | Disk, disk and plow, Planted alfalfa/grass mix with John Deere double disk drill with roller |  |  |
| Summer 11 | Harvested 2 ton per acre 1st cutting, 3/4 ton per acre regrowth | Harvested 2 ton per acre 1st cutting, 3/4 ton per acre regrowth | Harvested 1.5 tons per acre 1st cutting and .7 tons per acre second cutting | Harvested 1.7 tons per acre 1st cutting and .7 tons per acre second cutting | Harvested 2.9 tons grass/legume mix with 2 tons regrowth for grazing |  |
| Fall 11 | Good perennial stand established | Good perennial stand established | Good perennial stand established | Good perennial stand established | Good perennial stand established |  |