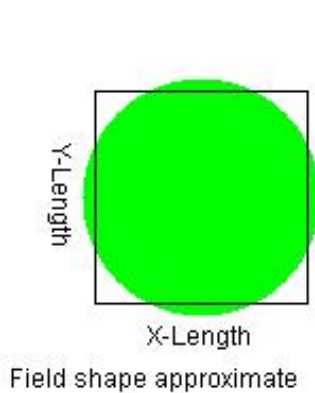


# WEPS Run Summary



**Client** Exercise 5  
**Farm No**  
**Tract No**  
**Field No**  
**Run Name** Alfalfa 3yr-Potato-WWheat, circle irr CMZ 49 cal\_1  
**Run Location** Exercise  
**Management** Alfalfa, fall seed, 3yr-Potato-WWheat, circle irr CMZ49 cal  
**Soil** Quincy\_97\_100\_FS



## Simulation & Site Information

**Mode :** NRCS  
**State :** Washington  
**County :** Grant  
**Soil Loss T:** 5 T/ac/yr  
**Latitude :** 47.30 °N  
**Longitude :** 119.51 °W

## Field Dimension Information

**Radius :** 1342.52 ft  
**Elevation :** 1259.84 ft  
**Orientation :** 0.0 °

**Area :** 129.99 ac

## Weather Station / Files

**Cligen Station :** EPHRATA CAA AP  
**Wingen Station :** MOSES LAKE/GRANT CO

| Period      | Crop                  | Gross Loss<br>(tons/acre) | Net Soil Loss From Field (tons/acre) |             |            |       |
|-------------|-----------------------|---------------------------|--------------------------------------|-------------|------------|-------|
|             |                       |                           | Total                                | Creep/Salt. | Suspension | PM10  |
| Rot. yr: 1  | Wheat, winter, CMZ 50 | 0.6                       | 0.6                                  | 0.21        | 0.36       | 0.030 |
| Rot. yr: 2  | Alfalfa, hay          | 0.0                       | 0.0                                  | 0.00        | 0.00       | 0.000 |
| Rot. yr: 3  | Alfalfa, hay          | 0.0                       | 0.0                                  | 0.00        | 0.00       | 0.000 |
| Rot. yr: 4  | Alfalfa, hay          | 0.0                       | 0.0                                  | 0.00        | 0.00       | 0.000 |
| Rot. yr: 5  | Potato, late, harvest | 28.5                      | 28.5                                 | 7.93        | 20.60      | 1.359 |
| Ave. Annual |                       | 5.8                       | 5.8                                  | 1.63        | 4.19       | 0.278 |

| Harvest Date | Crop Name                                | Residue lbs/acre | Harvest Yield | Yield % Moisture |
|--------------|--|------------------|---------------|------------------|
| Aug 01, 01   | Wheat, winter, CMZ 50 hi ppt 7-10in spac | 7923             | 104.049 bu/ac | 13.5             |
| May 15, 02   | Alfalfa, hay                             | 725              | 2.366 ton/ac  | 15.0             |
| Jun 15, 02   | Alfalfa, hay                             | 444              | 1.270 ton/ac  | 15.0             |
| Jul 15, 02   | Alfalfa, hay                             | 344              | 0.981 ton/ac  | 15.0             |
| Aug 15, 02   | Alfalfa, hay                             | 471              | 1.563 ton/ac  | 15.0             |
| Sep 15, 02   | Alfalfa, hay                             | 393              | 1.261 ton/ac  | 15.0             |
| May 15, 03   | Alfalfa, hay                             | 903              | 2.831 ton/ac  | 15.0             |
| Jun 15, 03   | Alfalfa, hay                             | 536              | 1.549 ton/ac  | 15.0             |
| Jul 15, 03   | Alfalfa, hay                             | 402              | 1.195 ton/ac  | 15.0             |
| Aug 15, 03   | Alfalfa, hay                             | 501              | 1.669 ton/ac  | 15.0             |
| Sep 15, 03   | Alfalfa, hay                             | 403              | 1.308 ton/ac  | 15.0             |

# WEPS Run Summary



**Client** Exercise 5  
**Farm No**  
**Tract No**  
**Field No**  
**Run Name** Alfalfa 3yr-Potato-WWheat, circle irr CMZ 49 cal\_1  
**Run Location** Exercise  
**Management** Alfalfa, fall seed, 3yr-Potato-WWheat, circle irr CMZ49 cal  
**Soil** Quincy\_97\_100\_FS

| Harvest Date | Crop Name             | Residue lbs/acre | Harvest Yield  | Yield % Moisture |
|--------------|-----------------------|------------------|----------------|------------------|
| May 15, 04   | Alfalfa, hay          | 911              | 2.906 ton/ac   | 15.0             |
| Jun 15, 04   | Alfalfa, hay          | 526              | 1.475 ton/ac   | 15.0             |
| Jul 15, 04   | Alfalfa, hay          | 438              | 1.323 ton/ac   | 15.0             |
| Aug 15, 04   | Alfalfa, hay          | 514              | 1.735 ton/ac   | 15.0             |
| Sep 15, 04   | Alfalfa, hay          | 394              | 1.240 ton/ac   | 15.0             |
| Sep 30, 05   | Potato, late, harvest | 802              | 597.190 cwt/ac | 79.0             |

| Date       | Operation  | Crop                         |
|------------|--|------------------------------|
| Mar 15, 01 | Irrigation, Start Monitor (pivot, linear, wheelline) |                              |
| Jul 15, 01 | Irrigation, Stop Monitor                             |                              |
| Aug 01, 01 | Harvest, killing crop 50pct standing stubble         | Wheat, winter, CMZ 50 hi ppt |
| Aug 15, 01 | Disk, tandem heavy primary op                        |                              |
| Aug 17, 01 | Disk, tandem secondary op                            |                              |
| Aug 20, 01 | Cultivator, field 6-12 in sweeps                     |                              |
| Aug 24, 01 | Drill or airseeder, double disk                      | Alfalfa, hay                 |
| Aug 25, 01 | Irrigation, Start Monitor (pivot, linear, wheelline) |                              |
| May 08, 02 | Irrigation, Stop Monitor                             |                              |
| May 15, 02 | Harvest, hay, legume                                 | Alfalfa, hay                 |
| May 16, 02 | Irrigation, Start Monitor (pivot, linear, wheelline) |                              |
| Jun 08, 02 | Irrigation, Stop Monitor                             |                              |
| Jun 15, 02 | Harvest, hay, legume                                 | Alfalfa, hay                 |
| Jun 23, 02 | Irrigation, Start Monitor (pivot, linear, wheelline) |                              |
| Jul 08, 02 | Irrigation, Stop Monitor                             |                              |
| Jul 15, 02 | Harvest, hay, legume                                 | Alfalfa, hay                 |
| Jul 16, 02 | Irrigation, Start Monitor (pivot, linear, wheelline) |                              |
| Aug 08, 02 | Irrigation, Stop Monitor                             |                              |
| Aug 15, 02 | Harvest, hay, legume                                 | Alfalfa, hay                 |
| Aug 16, 02 | Irrigation, Start Monitor (pivot, linear, wheelline) |                              |

# WEPS Run Summary



**Client** Exercise 5  
**Farm No**  
**Tract No**  
**Field No**  
**Run Name** Alfalfa 3yr-Potato-WWheat, circle irr CMZ 49 cal\_1  
**Run Location** Exercise  
**Management** Alfalfa, fall seed, 3yr-Potato-WWheat, circle irr CMZ49 cal  
**Soil** Quincy\_97\_100\_FS

| Date       | Operation  | Crop         |
|------------|--|--------------|
| Sep 08, 02 | Irrigation, Stop Monitor                             |              |
| Sep 15, 02 | Harvest, hay, legume                                 | Alfalfa, hay |
| Mar 15, 03 | Irrigation, Start Monitor (pivot, linear, wheelline) |              |
| May 08, 03 | Irrigation, Stop Monitor                             |              |
| May 15, 03 | Harvest, hay, legume                                 | Alfalfa, hay |
| May 16, 03 | Irrigation, Start Monitor (pivot, linear, wheelline) |              |
| Jun 08, 03 | Irrigation, Stop Monitor                             |              |
| Jun 15, 03 | Harvest, hay, legume                                 | Alfalfa, hay |
| Jun 23, 03 | Irrigation, Start Monitor (pivot, linear, wheelline) |              |
| Jul 08, 03 | Irrigation, Stop Monitor                             |              |
| Jul 15, 03 | Harvest, hay, legume                                 | Alfalfa, hay |
| Jul 16, 03 | Irrigation, Start Monitor (pivot, linear, wheelline) |              |
| Aug 08, 03 | Irrigation, Stop Monitor                             |              |
| Aug 15, 03 | Harvest, hay, legume                                 | Alfalfa, hay |
| Aug 16, 03 | Irrigation, Start Monitor (pivot, linear, wheelline) |              |
| Sep 08, 03 | Irrigation, Stop Monitor                             |              |
| Sep 15, 03 | Harvest, hay, legume                                 | Alfalfa, hay |
| Mar 15, 04 | Irrigation, Start Monitor (pivot, linear, wheelline) |              |
| May 08, 04 | Irrigation, Stop Monitor                             |              |
| May 15, 04 | Harvest, hay, legume                                 | Alfalfa, hay |
| May 16, 04 | Irrigation, Start Monitor (pivot, linear, wheelline) |              |
| Jun 08, 04 | Irrigation, Stop Monitor                             |              |
| Jun 15, 04 | Harvest, hay, legume                                 | Alfalfa, hay |
| Jun 23, 04 | Irrigation, Start Monitor (pivot, linear, wheelline) |              |
| Jul 08, 04 | Irrigation, Stop Monitor                             |              |
| Jul 15, 04 | Harvest, hay, legume                                 | Alfalfa, hay |
| Jul 16, 04 | Irrigation, Start Monitor (pivot, linear, wheelline) |              |
| Aug 08, 04 | Irrigation, Stop Monitor                             |              |
| Aug 15, 04 | Harvest, hay, legume                                 | Alfalfa, hay |

# WEPS Run Summary



**Client** Exercise 5  
**Farm No**  
**Tract No**  
**Field No**  
**Run Name** Alfalfa 3yr-Potato-WWheat, circle irr CMZ 49 cal\_1  
**Run Location** Exercise  
**Management** Alfalfa, fall seed, 3yr-Potato-WWheat, circle irr CMZ49 cal  
**Soil** Quincy\_97\_100\_FS

| Date       | Operation  | Crop                         |
|------------|--|------------------------------|
| Aug 16, 04 | Irrigation, Start Monitor (pivot, linear, wheelline) |                              |
| Sep 08, 04 | Irrigation, Stop Monitor                             |                              |
| Sep 15, 04 | Harvest, hay, legume                                 | Alfalfa, hay                 |
| Apr 10, 05 | Disk, tandem heavy primary op                        |                              |
| Apr 15, 05 | Chisel, twisted shovel                               |                              |
| Apr 16, 05 | Disk, tandem light finishing                         |                              |
| Apr 19, 05 | Bedder, hipper, disk hiller                          |                              |
| Apr 20, 05 | Planter, double disk opener on 8 inch high beds      | Potato, late, harvest        |
| Apr 21, 05 | Irrigation, Start Monitor (pivot, linear, wheelline) |                              |
| May 12, 05 | Cultivator, rotary, row                              |                              |
| Jun 11, 05 | Cultivator, rotary, row                              |                              |
| Sep 16, 05 | Irrigation, Stop Monitor                             |                              |
| Sep 30, 05 | Harvest, dig root crops res. buried                  | Potato, late, harvest        |
| Oct 01, 05 | Disk, offset, heavy                                  |                              |
| Oct 01, 05 | Cultipacker, roller                                  |                              |
| Oct 01, 05 | Drill or airseeder, double disk                      | Wheat, winter, CMZ 50 hi ppt |
| Oct 02, 05 | Irrigation (2 inch, Pivot, Linear, Wheelline)        |                              |

## Run specific information:

1/10/ 5 Wheat, winter, CMZ 50 hi ppt 7-10in spac 1.225  
 20/ 4/ 5 Potato, late, harvest 1.225

1/10/ 5 Wheat, winter, CMZ 50 hi ppt 7-10in spac 1.193  
 20/ 4/ 5 Potato, late, harvest 1.225