

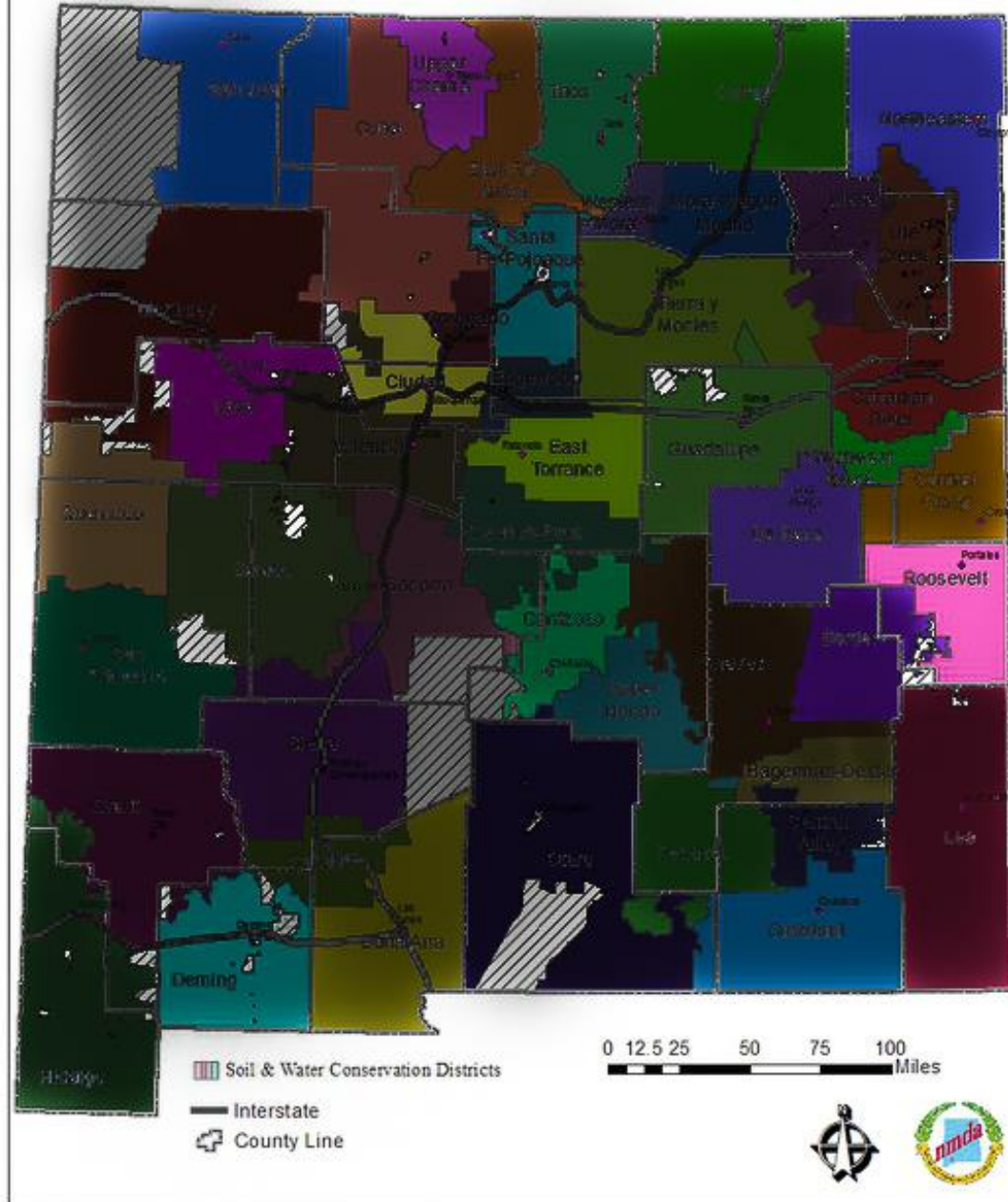


SHADE BALLS

Roosevelt Soil and Water Conservation District



New Mexico Soil and Water Conservation Districts







What is a “Shade Ball”?

- The shade balls are HDPE (high-density polyethylene)
- 4 inches in diameter
- UV-stable
- Water-filled.

Benefits of Shade Balls

- Evaporation
- Water Quality
- Ice



WATERING FACILITY EVAPORATION LOSSES

Sept. 30, 2015 – Sept. 4, 2018

GALLONS LOST WITH SHADE BALLS

GALLONS LOST WITH OUT SHADE
BALLS

7.5' drinker

20' drinker

7.5' drinker

20' drinker

2,622.75

19,771.50

10,767.25

81,168.5

Water Quality



Sept. 30, 2015

- Reduce algae
- Reduce debris and weeds



Dec. 10, 2015

DRINKER SIZE (diameter in feet)	SURFACE AREA (square feet)	NUMBER OF SHADE BALLS REQUIRED (10/ft²)
8	50.27	503
10	78.54	785
12	113.10	1131
14	153.94	1539
16	201.06	2011
19.1	286.52	2865
20	314.16	3142
24	452.16	4525
25	490.87	4909
30	706.86	7069







**Roosevelt Soil & Water
Conservation District**

Shade Ball

Water Conservation Project