

# TECHNICAL NOTES

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U.S. Department of Agriculture

Natural Resources Conservation Service

TN-PLANT MATERIALS-71

February 2005

## Percent Cover and Height Data for RUSLE2

Thirty six cover crop plots were planted on November 21, 2002 at the Lockeford Plant Materials Center for RUSLE2 data acquisition. RUSLE2 is the latest Revised Universal Soil Loss Equation. The plots were evaluated every two weeks for percent cover and height.

The plots are non-replicated and 20 feet by 20 feet in size. The plots were not fertilized or irrigated. The plots were broadcast seeded and raked. The seeding rate was 50 PLS (pure live seed) per square foot. The vetches and clovers were mowed during the summer of 2003 for weed control. The grass plots had herbicide applied to control broad leaf weeds. The grass plots are currently being maintained for educational uses. Lockeford has an annual rainfall of 16 inches and is in MLRA (Major Land Resource Area) 17. The soil is a deep fine sandy loam.

Field office staff can use the information in this technical note to inform land owners about different species growth parameters and assist in developing seed mixes.

### Rainfall rates:

Nov. 2002 2.26"

Dec. 2002 5.30"

Jan. 2003 1.02"

Feb. 2003 3.17"

Mar. 2003 1.64"

Apr. 2003 .58"

2002/2003 total 13.97"

Nov 2003 2.30"

Dec. 2003 4.26"

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Prepared by David A. Dyer, Plant Materials Center Manager and Agronomist, Lockeford, CA. . Reviewed by Bob Fry, State Agronomist, Hanford, CA

CA-71-1

**COVER CROP PLOTS FOR BIWEEKLY PERCENT COVER AND  
CANOPY FALL HEIGHT DATA COLLECTION FOR RUSLE2**

unpaved farm road

1 <b>White clover</b> Trifolium repens	29 <b>'Cucamonga'</b> <b>California brome</b>	20 <b>'Jose'</b> <b>Tall wheatgrass</b> Elytrigia elongata	6 <b>'Fawn'</b> <b>Desert fescue</b> Vulpia microstachys
2 <b>Crimson clover</b> Trifolium incarnatum	30 <b>California brome</b>	21 <b>'Panoche'</b> <b>Red brome</b> Bromus rubens	7 <b>California melicgrass</b>
3 <b>Alfalfa</b> Medicago sativa	31 <b>'Mariposa'</b> <b>Blue wildrye</b> Elymus glaucus	22 <b>'Stocker'</b> <b>Rescuegrass</b> Bromus catharticus	8 <b>'Teton'</b> <b>Tall fescue</b> Festuca arundinacea
4 <b>'Nungarin'</b> <b>Burrowing clover</b>	32 <b>'Zorro'</b> <b>Annual fescue</b> Volupia myuros	23 <b>Idaho fescue</b> Festuca idahoensis	11 <b>'Covar'</b> <b>Sheep fescue</b> Festuca ovina
5 <b>'Serena'</b> <b>Burclover</b> Medicago polymorpha	33 <b>'Blando'</b> <b>Soft brome</b> Bromus hordeaceus	24 <b>'Wimmera 62'</b> <b>Ryegrass</b> Lolium rigidum	14 <b>'Ephraim'</b> <b>Crested wheatgrass</b>
9 <b>'Lana'</b> <b>Winter vetch</b> Vicia villosa ssp villo	34 <b>'Zorro'</b> <b>Annual fescue</b> Vulpia Myuros	25 <b>'Molate'</b> <b>Red fescue</b> Festuca rubra	16 <b>'Deborah'</b> <b>California brome</b> Bromus carinatus
10 <b>'Jemalong'</b> <b>Barrel clover</b> Medicago truncatula	35 <b>Big bluegrass</b> Poa secunda	26 <b>Meadow barley</b> Hordeum brachyantherum	17 <b>Purple stipa</b> Nassella pulchra
12 <b>'Palestine'</b> <b>Strawberry clover</b>	36 <b>Barley</b> Hordeum vulgare	27 <b>'Berber'</b> <b>Orchardgrass</b> Dactylis glomerata	18 <b>Nodding stipa</b> Nassella cernua
13 <b>'Meechee'</b> <b>Arrowleaf clover</b> Trifolium vesiculosum			19 <b>Big squirreltail</b> Elymus multisetus
15 <b>'Kalo' Garden</b> <b>Birdsfoot trefoil</b> Lotus corniculatus			
28 <b>'Hykon'</b> <b>Rose clover</b> Trifolium hirtum			