Associate Professor, Soil Science Department, North Daketa State Heiversin, Farro. North Dakota, Extension Sugarbert Specialist. North Dakota Stata University and

crops in Minnesota and North Datests each year, according to Soil Conservation Service CARLSON, HARRY L.1*, and KENNETH A. RYKBOST2, 1University of California Intermountain Research and Extension Center, P.O. Box 850, Tulelake, CA 96134 and ²Klamath Experiment Station, Oregon State University, Klamath Falls, OR 97603. - Effect of

Brosion damages hundreds of the search of series of arable land producing low residue

planting date and plant population on beet and sugar yield in the Klamath Basin.

Sugarbeet production is a new industry to the Klamath Basin of Southern Oregon and Northern California. The region has a high desert climate characterized by a short growing season with warm days and cool nights. Because sugarbeet yields are limited by the short growing season, it was assumed that early stand establishment would result in increased yields; although, it was further assumed that stand establishment would be more difficult under the cool, wet conditions typical in early spring. To test these assumptions, a series of sugarbeet planting date experiments were conducted from 1991 to 1993 at Klamath Falls, Oregon and Tulelake, California to determine the effect of date of planting on beet and sugar yields. While the sugar percentage in the beets was unaffected by planting date, beet yields declined with each delay in planting. Beet yield, total sugar production per acre and gross profits dropped 1.75 T/A, 660 lb/A and \$100/A respectfully for each week planting was delayed after May 1. Studies with varied plant populations, conducted in 1994 demonstrated that growers may be better off with poor stands established early in the season than with good, replanted stands established three weeks later in the season.

cultivatus treatments, depending on sell type. Aggregate geometric mean dismeter Connettic mean dismuter aggregate size remained above the 0.84 mm minimum particle areas areason threshold for all soil types and tilings operations in all yours

Stead grain yields the year following full tillage were not affected by tillage treatment at " Nocincol van