

GREEN MANURE HELPS YUMA ALFALFA YIELD

(Special to the Yuma Daily Examiner)

Washington, D. C., Oct. 11.—The report of experiments conducted during the year on the Yuma reclamation project experiment farm, near Yuma, Arizona, shortly to be issued by the United States Department of Agriculture, devotes special attention to a discussion of the method of raising Durango cotton, and also discusses alfalfa and sorghum culture in this region. One section of the report is devoted to Sudan grass, and there is mention of experiments with hemp, flax, and broom corn.

The following advice on the use of green manures, taken from this report, should be of interest especially to alfalfa growers:

One of the most important values of alfalfa is its usefulness as a preparatory crop. It is the best green-manure crop yet found when all phases of its benefits are considered. However, a stand of alfalfa is often difficult to establish on very light sandy areas or on spots in fields where heavy grading has exposed the sandy subsoil. Apparently, the difficulty experienced in establishing alfalfa stands on these soils is not a deficiency of plant food but a very irregular moisture content of the soil. This condition has been found to be most economically improved by the addition of a summer green-manure of cowpeas. Cowpeas when planted in a good seed bed have produced on sandy soil approximately 4 tons of green manure per acre. Alfalfa may then be seeded in the fall and become established for the following season.

At the experiment farm the alfalfa yields have been increased 2 tons per acre by this culture. The field operations of growing and plowing under this crop of cowpeas would cost not to exceed \$4 per acre. If 2.3 acre-feet of water are applied to this crop at 50 cents per acre foot the water will cost \$1.16. Cowpea seed has been bought f. o. b. Yuma at \$8 per hundred pounds. If planted at the rate of 30 pounds per acre the seed would cost \$2.40, making a total cost of \$7.56 per acre for the two extra tons of alfalfa, which in 1914 when hay was the cheapest, was worth \$12.10, netting a profit of \$4.54 on the first year's results, as well as the residual effect on the soil. In an effort to determine the best varieties of cowpeas to be grown as a summer green-manure crop, a collection of five varieties was grown under comparable conditions for green-manure production and also tested for seed and hay production.

Of these varieties there are two, the New Era and the Groit, that appear to be distinctly superior to the others in green manure or hay production. If local seed production is to be con-

sidered, they are equally valuable for this purpose. Both are early maturing varieties, the New Era being 7 to 10 days earlier than the Groit. One other variety, however, the Whip-poorwill, not included in this test, is known to succeed well under these conditions.

PIONEER AIR MAN SELLS OUT INTEREST

(Associated Press)

NEW YORK, Oct. 13.—Orville Wright, "the father of the aeroplane," today sold his interest in the Wright Aeroplane company to a Dayton syndicate.

BIG ELECTION FRAUD CASE GOES TO JURY

(Associated Press)

INDIANAPOLIS, Oct. 13.—The case in the election fraud trial in which Mayor Bell was indicted with 128 others, went to the jury today.

Later (2:22 p. m.)—The jury returned and reported "Bell Not Guilty."

MINE MANAGERS ARE AWAITING CONFEREES

(Associated Press)

EL PASO, Oct. 13.—The managers of the Arizona copper mines, who are now located in this city, are awaiting word of the appointment of new conferees by the striking miners—and hope is renewed.

CHARGE DISCRIMINATION AGAINST IOWA CITIES

(Associated Press)

WASHINGTON, D. C., Oct. 13.—The Iowa railway commissioners have complained to the Interstate Commerce Commission that the Baltimore & Ohio and other railroads are now charging lower freight rates between cities on the Lower Mississippi and points in eastern territory than from Iowa cities of the Upper Mississippi to the same destinations, alleging that this is discrimination against the Upper Mississippi cities.

BALKAN SITUATION IS EXCUSE FOR CONSCRIPT

(Associated Press)

LONDON, Oct. 13.—The Balkan situation is being used as an argument by the Conscriptors in Parliament today. They state that additional men and munitions are needed, as the present supplies are probably inadequate.

TEUTONS ADVANCING IN SERBIAN TERRITORY

(Associated Press)

BERLIN, Oct. 13.—It is officially announced that the Austro-German invasion of Serbia is still progressing, although the Serbian resistance is interfering with rapid march.

Seems to be cause for an international marine police to protect inoffensive submarines from malignant liners.—Wall Street Journal.

Its getting so nowadays that a near-sighted man can't tell the difference between strict accountability and watchful waiting.—Boston Transcript.

The prince of Wales has sworn never to take a German bride. But even this terrible blow may fail to crush the German war spirit.—Kansas City Journal.

Wear Good Shoes

Step lively, move swiftly, feel "bully,"
go far, no fatigue

Some people save a few cents on the price of their shoes and spend a dollar on their corns, their chafes or their aches.

It's all in the shoe—in the buying—in the dealer who sells them.

TRY US, TRY OUR SHOES—YOU'LL COME AGAIN

The Toggery

A. L. VERDUGO, Manager

THE YUMA NATIONAL BANK

Yuma, Arizona

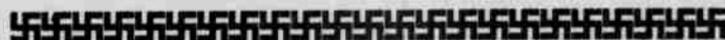
UNITED STATES DEPOSITORY

We Invite Your Account

Resources Over \$600,000.00

Always ON TIME With Service and RIGHT SCHEDULE
Of Prices At The

Rexall Store



EASTMAN KODAKS,
STATIONERY, TOBACCOS,
ICE CREAM AND SODAS

Largest Drug Stock In Yuma



J. HOMER SMITH
Druggist

Advertise in Sentinel-Yuma Southwest