

ALTERNATE ROW GRASS-LEGUME SEEDING USING RICE HULLS AND GRAIN DRILL

Alternate row seedings require separate mixtures of rice hulls and grass seed and rice hulls and legume seed. Do not mix the grass with the legume.

Use two bushels of rice hulls (16 pounds) for each acre to be seeded. Divide the rice hulls in half. Thoroughly mix the rice hulls with the required amount of seed. Use a feed mixer or mix by hand on a tight floor, canvas or heavy plastic sheet.

Be sure the legume seed has been carefully inoculated before mixing. An excellent inoculation method is described in California Agricultural Extension Service publication AXT-280, "Pellet Inoculation of Legume Seed".

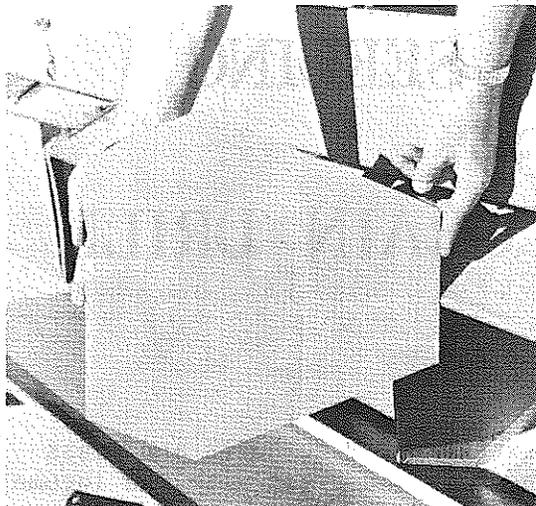
Standard seeding rate tables usually specify the amount of seed per acre needed for pure stands of each plant. When seeding a grass and a legume in alternate rows, remember that each plant will be seeded on one-half the total area of the field. Reduce the quantity of seed specified in the tables by one-half to maintain the proper number of seeds per foot of drill row.



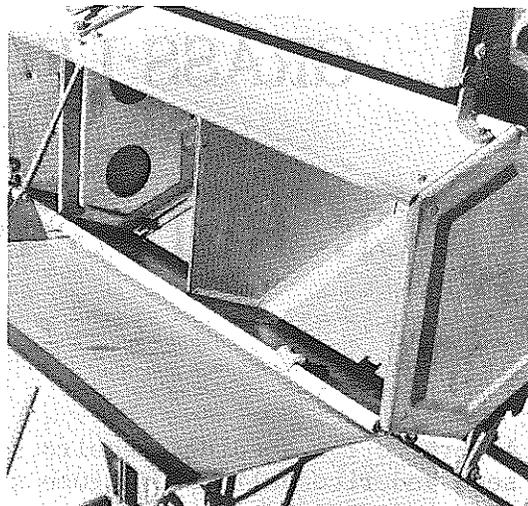
PL 2027



PL 2029



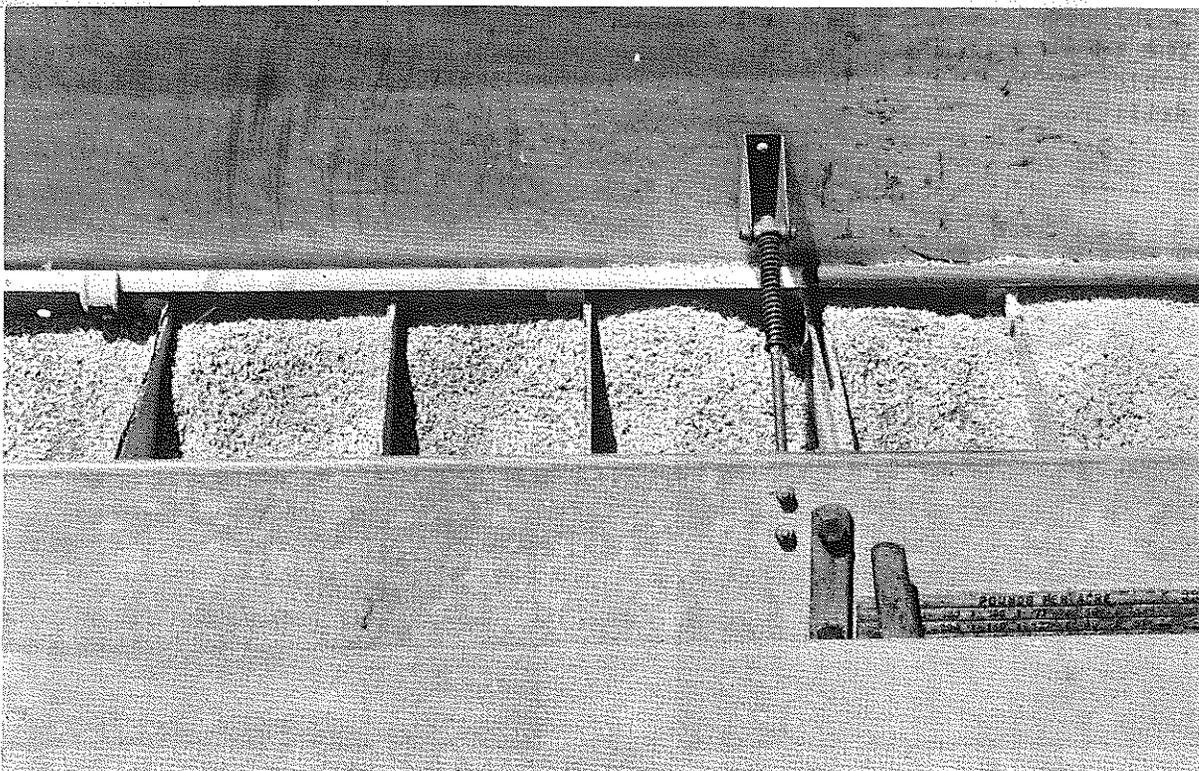
PL 2026



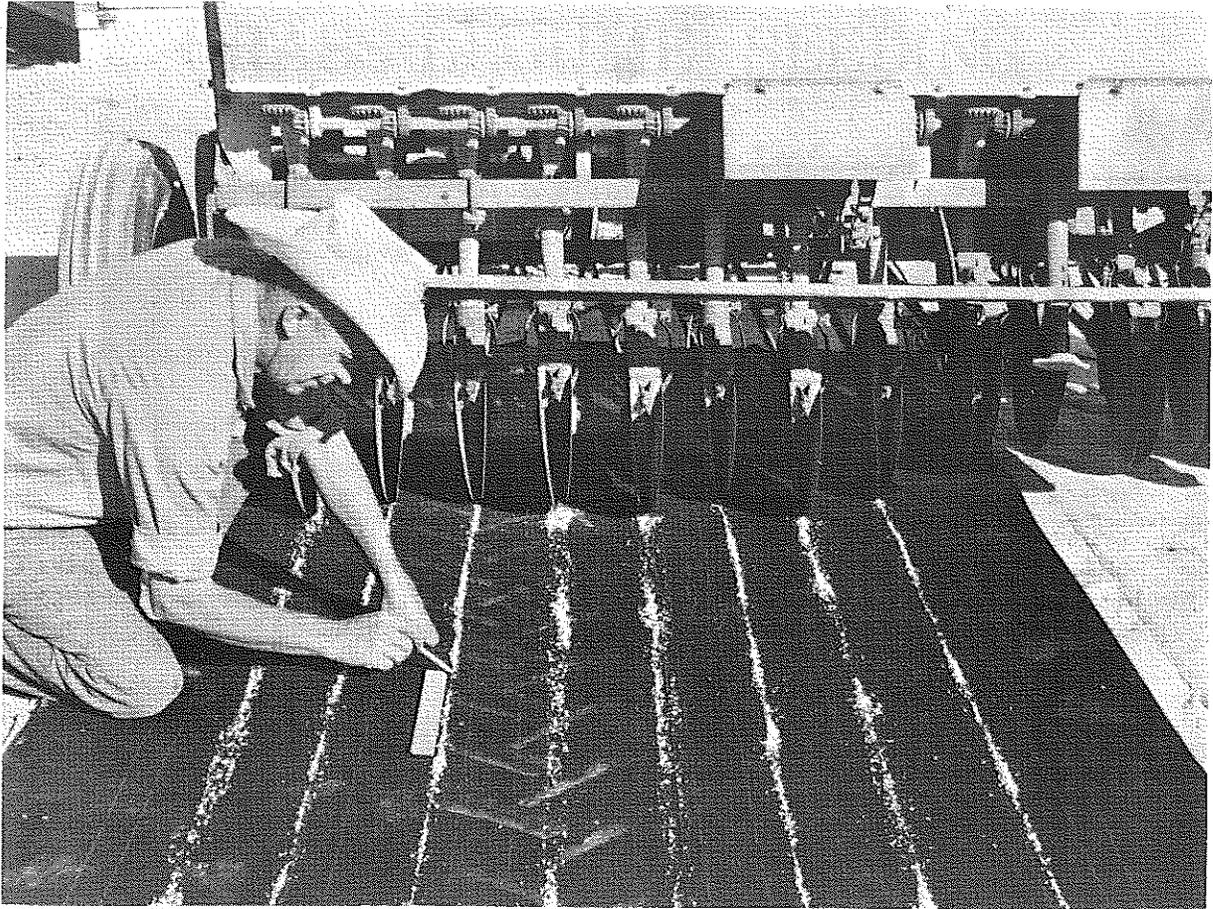
PL 2025

For alternate row seeding, compartment each spout in seedbox with divider cut from cardboard sealed and held in place by two inch masking tape.

Fill drill box with seed and rice hulls mixtures. Set drill for 160 pounds barley per acre. For exact seeding rate calibrate the drill as shown on the following page.



PL 2030



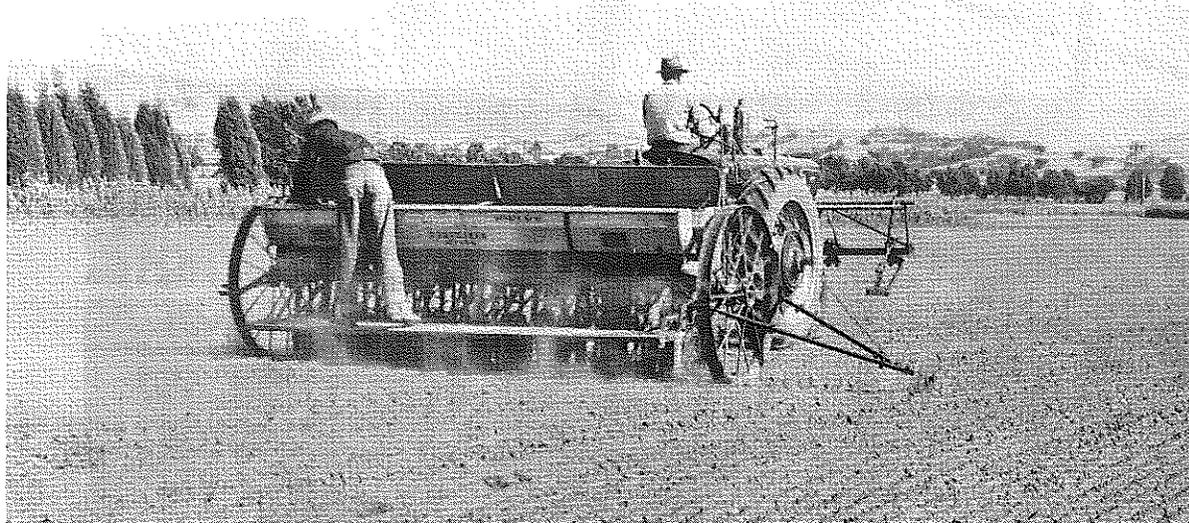
PL 2022

Run drill over canvas or firm surface. Count the number of seeds per foot of row for any one species in the mixture. Base this count on the average of at least three five-foot sections of a drill row. Compare this average number with the number of seed per foot of row for the desired seeding rate.

Make necessary adjustments in the drill setting and repeat the calibration until the average number of seeds sown equals the number for the desired rate.

Set acreage computer on the drill at zero and make a final check after three acres have been sown.

Make any necessary minor final adjustments so there will always be a layer of the seed mixture one-half an inch deep remaining on the bottom of the drill box for each three acres sown.



PL 404



PL 1582

Upper: Grain drill seeding grass and legume in alternate rows on a well-prepared seedbed.

Lower: Well established alternate row seeding of Goars fescue and Los Banos trefoil.

CONTACT YOUR RESOURCE CONSERVATION DISTRICT FOR ON-SITE TECHNICAL ASSISTANCE
