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UNITED STATES DEPARTMENT OF AGRICULTURE.

STATES RELATIONS SERVICE.

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HOW TEACHERS MAY USE FARMERS' BULLETIN 693,  
BUR CLOVER.

*Range for use.*—Cotton and Pacific Coast States.

*Relation to the course of study.*—This bulletin may be used in connection with the study of legumes, pastures, hay crops, cover crops, or green manures in agriculture, and in suggesting suitable correlations with other subjects.

*Topics.*—The material in this bulletin should be considered under at least four different headings: (1) Bur clover—the kinds, the climatic adaptations and soil preferences; (2) planting—dealing with such matters as time, inoculation of seed, sowing of seed, germination, and volunteer growth; (3) uses—pastures, cover crop, green manure, and hay; and (4) management—having to do with rotations, producing seed and controlling pests.

*Illustrative material.*—Secure, press, and mount specimens of stems, leaves, and flowers of bur clover; also, mount roots of the plant showing tubercles or nodules. Secure and mount in small bottles cleaned seed and seed in burs. Learn to distinguish between the flowers and seed of bur clover and other kinds of clovers. See illustrations on pages 2, 3, and 4 of the bulletin.

*Practical exercises.*—(1) Have the members of the class report in writing as to the following points: (a) Is bur clover grown in the community? (b) On what kind of soil does it thrive best? For what purposes is it grown? Hay? Pasturage? Cover crops? Green manuring? (c) Does the crop reseed itself? (2) If practicable the teacher should go with the class to a near-by field where bur clover is grown to study the plant as to its habit of growth, the characteristics of stems, leaves, flowers, seeds, roots, and tubercles. If this is not practicable have the pupils bring to school plants for the purpose.

*Correlations.*—Write descriptions of the bur clover plants, including all parts.

*Drawing:* Make drawings of stems, including leaves, burs, and roots bearing tubercles.

*Geography:* Bur clover can be grown successfully in the cotton States and in the Pacific Coast States west of the Cascade and Sierra Nevada Ranges. Locate these on the map. Compare them as to climate and agricultural industries.

Arithmetic: Find the area in acres of land in the community planted to bur clover. If 4 bushels of seed in burs are necessary to plant an acre, find the number of bushels of seed required to plant the number of acres devoted to the crop in the community. Find the value of the seed at local prices.

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