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# Bending the Cotton Stalks under the Influence of a Combined Aggregate Bender

Khudayarov B.M.; Kuziev U.T.; Sarimsakov B.R.

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Tashkent Institute of Irrigation and Agricultural Mechanization Engineers, Tashkent, Uzbekistan

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## Краткое описание

The object of research is the morphology of cotton stalks, the technology of forming new stalks and stalks with buried stalks under them in place of the existing stalks and stalks in cotton fields, and the process of bending cotton stalks and bending stalks with it. According to the technology, cotton stalks are bent in the direction of aggregate movement towards the side ridge, and their roots are cut with the soil and laid at the bottom of this ridge. The bottom layer of this existing pile is then divided into two parts, each of which is rolled over the cotton stalks on the side edges on both sides, where a new pile is formed. When the aggregate has passed, new shoots are formed in the place of the existing shoots, buried under the cotton stalks, and new shoots are opened in place of the existing shoots. In the study, it was determined using a special conveyor that the height of the working part of the bending of the stalk relative to the surface of the stalk was laid at an angle to the longitudinal axis of the liner, the lateral stalk of the stalk. It is advisable to bend the cotton stalks at the height of 0.15 m above the surface of the pile. When the radius of curvature of the middle part of the bender is 100 mm, the stalks are bent simultaneously on the side bend and the movement of the aggregate, ensuring that they intersect at a small angle with the axis of the bend. © 2023 AIP Conference Proceedings. All rights reserved.

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