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INFLUENCE OF IRRIGATION PROCEDURES AND METHODS ON THE GROWTH AND DEVELOPMENT OF SHADE VARIETIES

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Annotation: It was found that the height of the plant was 3.1-7.1 cm, the number of branches was 0.5-0.4, and the number of pods was 3.9-5.8.

At the beginning of each month in the experimental field, phenological observations were carried out on the basis of the "Methods of conducting field experiments" (UzPITI 2007) in order to determine the growth and development of shade varieties of the studied factors.

In the study (2019), as of October 1, 2019, the soil moisture in the care of Nafis variety of soybeans was 70-70-60% relative to ChDNS. 38.3 grains, while in variant 2, irrigated intermittently, these figures were 52.4, respectively; 2.2; 40.2 grains, and in the 3rd variant irrigated with mulch between rows 55.5; 3.7; 44.1 units.

In soybean care, soil moisture is 75-75-65% relative to ChDNS. - In the variant, these figures are 54.1, respectively; 14.5; 43.8 grains, and in the 6th variant irrigated with mulch between rows 58.7; 2.7; 46.6 units. In the variants of traditional methods of irrigation in the care of Nafis variety of soybeans (from each row and between rows), the height of the plant is 4.6-8.5 cm, the number of fruiting branches is 1.2-1.6 and the number of pods is 2. It was found to be less than 8-7.5 units

In the cultivation of the Orzu variety of shade, the soil moisture is 70-70-60% of the ChDNS. In the variant, these figures are 48.6, respectively; 3.8; 35.7 grains, and in variant 9, where the row spacing is mulched with film, 51.3; 3.9; 40.9 units.

Compared to option 9, which was carried out on mulched fields, other methods of irrigation (from each field and between fields) used in the options, the plant height was 2.7-6.7 cm, the number of branches was 1.1-1.2 and the number of pods was 5.2. Was found to be less than -8.7 units.

In soybean care, soil moisture is 75-75-65% relative to the ChDNS. - In the variant, these indicators are 52.0, respectively; 12.8; 37.2 grains, 54.1 in the 12th variant irrigated with film between rows; 3.9; 43.3 units.

In the case of traditional methods of irrigation in the care of the Orzu variety of shade (from each row and between rows), the height of the plant is 2.1-5.8 cm, the number of branches is 1.1-1.0 and the number of pods is higher than in the case of mulching. It was found to be less than 6.1-8.2 units.

As of October 1, 2020, the height of the shade was 32.4 cm, the yield was 3.9 and the number of pods was 19.8., the height of the shade was 41.5 cm, the yield was 3.6 and the number of pods was 23.7. In the 4th, 5th and 6th variants, when the shade is maintained in this order and the soil moisture before irrigation is 75-75-65% relative to the ChDNS height 36.4 accordingly; 40.2; 46.0 cm, the number of pods was 21.2-23.0-25.9.

After autumn wheat, the same laws were repeated in the area where the Orzu variety of shade was cultivated as a secondary crop (see Annex 35).

As of October 1, 2021, when the soil moisture is 70-70-60% relative to the elegant variety of shade ChDNS, in the traditionally maintained variant 1, the shade height is 42.7 cm, the yield is 3.5 seeds and the number of pods is 33.9. In variant 3, the row height was 51.0 cm, the yield was 12.7 and the number of pods was 43.8.



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When cultivating the Orzu variety of soybean, the soil moisture before irrigation was 70-70-60% of the ChDNS. In the irrigated variant 9, the shade height was 43.7 cm, the yield horn was 3.4 and the number of pods was 35.1.

When analyzing the three-year data in our study, the soil moisture before irrigation as of October 1 was 70-70-60% relative to the ChDNS., 20-43.5 cm, the yield was 3.4-3.6 grains and the number of pods was 33.9-36.4 grains., yielding horns was 3.7 and the number of pods was 43.8.

In variants 4, 5 and 6, where the pre-irrigation soil moisture was 75-75-65% relative to ChDNS in the care of the Nafis variety of shade, these values were 44.2, respectively; 47.9; 52.3 cm, yield horns 3.4; 3.1; 3.1 pieces, number of beans 40.5; 43.3; 46.1 units.

Similarly, in the 7th variant, when the soil moisture is 70-70-60% relative to the ChDNS, the height of the shade is 39.0 cm, the yield is 3.7 and the number of pods is 36.5. In variant 9, the shade height was 46.8 cm, the yield horn was 3.6 pieces and the number of pods was 44.4 pieces.

In the maintenance of the Orzu variety of shade, the soil moisture before irrigation was 75-75-65% in relation to the ChDNS. -3.9-3.8 pieces and the number of beans was 40.2-42.1-46.2 pieces.

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