

EFFECTIVENESS OF TECHNIQUES AND TECHNOLOGIES USED IN AGRICULTURE IN SOIL TREATMENT.

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Annotation: When preparing land for planting, bzss-1,0, BZTS-1,0 and BZTX-1,0 gear borons are used, RVN-8,5 softener-rectifier, BDT-3,0 and TDB-5 disc borons, chku-4A Chizel-cultivator, MV6, 0 mola-rectifier, VP-8 took planting rectifier, laser mola-rectifier and agricultural machines that prepare a number of other land for planting.

Keywords: track softener, boron, tractor, gear boron, softener-rectifier, disc boron, Chizel-cultivator, mola-rectifier, track softener, laser mola-rectifier, planting pre-rectifier.

Preparing Ye for planting is an important agrotechnical event. Proper cultivation of the soil improves the absorption of water, increases the water reserve in the layer in which the root develops, and an environment is created for the preservation of moisture, creating conditions for the strong development of the plant root system. In particular, in well-treated soil, the water and air regime is set correctly. All this creates the necessary conditions for the development of bacteria that serve as food for plants.

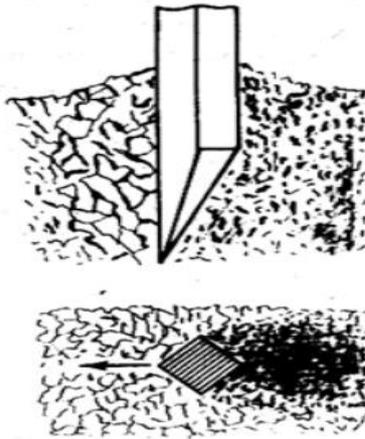
Large incisors, pores usually form on ploughed ground and the surface of the field is not flat enough. Therefore, seeds cannot be planted on such lands with good quality. For this reason, the plowed lands are shallowly processed, loosened and leveled without overturning the soil, and boronas are used.

Toothed borons are divided into heavy (16-20 N), medium (12-15 N), and light (6-10 n) types, depending on the weight that falls on a single tooth. The toothed borona is used to grind cuttings on plowed ground, level the field surface before planting crops, break down the resin, mix sprinkled seed and scattered fertilizer with soil, remove weeds, partially loosen grassland [14]. The Borona tooth acts like a two-sided pona, according to the fact that the aggregate is fixed relative to the direction of movement, it can push the soil to the side, partially compact, grind and loosen the soil, mix. To adapt to the microrelief of the field surface and evenly affect the ground, an aggregate with a large coverage width is formed, so that the borona coverage width is made without a single width (around 1.0 meters) and adjusted to the unevenness of the field surface, after they are freely connected to each other with their sides. The borona teeth are erect in structure, with an axial arch, which is

Formation and preparation of boronation aggregates.

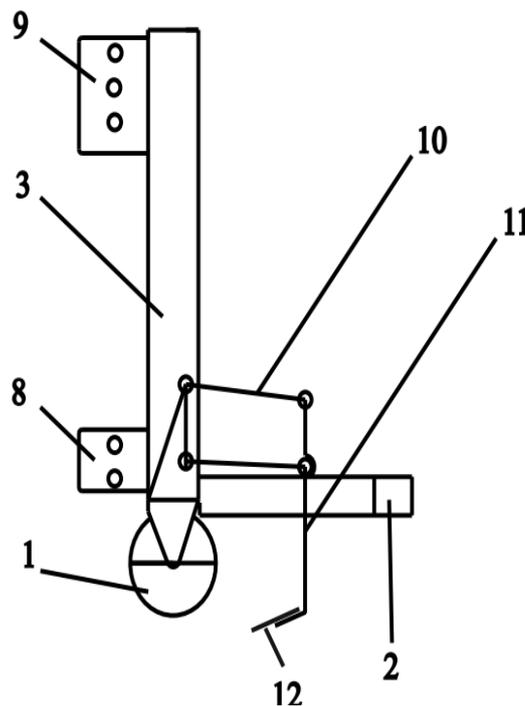
In fact, in order for the soil not to be over-compacted, so that the productivity of the aggregate is high, it is advisable to build aggregates chain tractors. Boronation aggregates are generally recommended to be based on extensive trailers (figure 43), and the aggregate should be made up of borons of the same type, with their teeth straight, sharpened, of the same length, fixed in the direction of movement with a sharpened tip.

Installation of the Borona tooth with respect to the direction of movement



Currently, the practice of using wheeled tractors in the boron of field fields is widely introduced. Because, the maneuverability of wheeled tractors is high. But, it is recommended to install devices that soften the traces left behind the wheels.

Scheme of the frame equipped with a track softener



The use of bzss-1.0 borons, which are installed in two rows in the boron of fields that are not salted and that are not supplied with yacht water, RVN-8.5 softeners-rectifiers, and bzts-1.0 and bztx-1.0 heavy borons in the boronization of fields that are washed and given yacht water ensures high quality of work. The use of borons hanging on chop tractors gives a good result when boronating fields from which a piglet or furrow is obtained, since in this case the Pusht and furrows are not crushed by tractors.



List of literature used:

- 1.Otaboyev M. F., Isaqulova G. PRE-PLANTING CULTIVATION TECHNIQUES FOR AGRICULTURAL CROPS. UIF = 9.1 | SJIF = 7.53 IBET | Volume 4, Issue 12, December I. 4 st
- 2.Otaboyev M. F., Alijonova D. A. THE EFFECT OF MOISTURE ON FIBER QUALITY DURING THE STORAGE PERIOD OF COTTON RAW MATERIALS. SJIF IMPACT FACTOR (2022: 5. 705)(2023: 7. 471) (2024 - 8.02). 4 st
- 3.Otaboyev M. F., Qobulov I . "BEK CLUSTER" KORXONASIDA PAXTA TOLASINI SAQLASHDA FOYDALANILAYOTGAN ZAMONAVIY QURULMALAR TASNIFI. PAXTA XOM ASHYOSINI SAQLASHDA NAMLIKNING TOLASIFATIGA TA'SIRINI ILMIY ASOSLASH. UIF = 8.1 | SJIF = 5.685. 4 st
- 4.Xodjiyev M. T., Tadiyev U. S., Mubarakov A. Y., Salimov A. M. Ustroystvo dlya uplotneniya voloknistogo materiala. Patent RUz. №1067.
- 5.Otaboyev M. F., CLASSIFICATION OF MODERN FACILITIES USED IN THE STORAGE OF COTTON FIBER AT THE "BEK CLUSTER" ENTERPRISE. SCIENTIFIC SUBSTANTIATION OF THE EFFECT OF MOISTURE ON FIBER QUALITY DURING THE STORAGE OF COTTON RAW MATERIALS. UIF = 8.3 | SJIF = 7.921. 3 st
- 6.www.steinertind.com/cotton
- 7.[www.ieguzexpo.com/dokuments/-](http://www.ieguzexpo.com/dokuments/)
- 8.www.icas.org/meeting/uzbek.

