УДК: 633.15
DOI: 10.35330/1991-6639-2019-3-89-107-110

INTEGRATED SYSTEM OF FIGHTING WITH WEED VEGETATION ON FIELDS OF CORN HYBRIDES AND THEIR PARENT FORMS IN THE CONDITIONS OF THE KBR

A.M. KAGHERMAZOV, A.V. KHACHIDOGOV, M.V. BIZHOEV

Institute of Agriculture –
branch of Federal state budget scientific establishment "Federal scientific center
"Kabardin-Balkar Scientific Center of the Russian Academy of Sciences"
360004, KBR, Nalchik, 224, Kirov street
kbniish2007@yandex.ru.ru

Corn is one of the most important crops in the world. Due to its properties, corn has diverse uses: for feeding people, for animal feed, and also as a renewable raw material for processing for technical needs [1].

The long-term experiences of the Kabardino-Balkaria Agricultural Research Institute show the possibilities of significantly increasing the grain yield and the silage mass of corn through the use of scientifically based technology for its cultivation. It boils down to the development and implementation of a set of interrelated measures, the timely and high-quality implementation of which provides for obtaining stable high yields while observing the requirements for increasing soil fertility, fighting weeds, diseases and pests based on environmental protection and high economic efficiency of production. This takes into account the level of material and technical equipment, biological characteristics of varieties and hybrids of maize, the state of a particular field, and natural and climatic conditions [2].

In the article, we consider the effect of soil and post-harvest herbicides on the hybridization sites of promising corn hybrids, as well as the use of biostimulants in order to eliminate stressful situations.

Key words: maize, hybrids, herbicides, hybridization plot, harvest.

REFERENCES

1. Shpaar D. *Kukuruza: uchebnoye prakticheskoye rukovodstvo* [Corn: Educational practical guide]. DLV AGRODELO, 2009. P. 17.

2. Azubekov L.Kh., Urusov A.K. *Pamyatka kukuruzovoda* [Corn grower memo]. Nalchik, 2012. P. 4, 7.

3. Shindin A.P., Bagrintseva V.N., Borsch T.I. and others. *Kukuruza – sovremennaya tekhnologiya vozdelyvaniya* [Corn: a modern cultivation technology] / Under the general editorship of Academician of the Russian Academy of Agricultural Sciences V.S. Sotchenko, 2nd edition, supplemented. Moscow, 2012. P. 92.

4. Kagermazov A.M. *Selektsiya geneticheskikh istochnikov priznaka zasukhoustoychivosti dlya sozdaniya novykh gibridov tetraploidnoy kukuruzy: diss.…kand. s.-kh. nauk* [Selection of genetic sources of a sign of drought resistance for the creation of new hybrids of tetraploid maize: Thesis for Candidate of agricultural sciences degree]. Nalchik, 2011. P. 44.

5. *Metodicheskiye rekomendatsii po proizvodstvu gibridnykh semyan kukuruzy* [Guidelines for the production of hybrid corn seeds]. GNU Krasnodar Research Institute of Agriculture, Krasnodar, 2011. P. 4.

Kagermazov Alan Mukhamedovich, Candidate of agricultural sciences, staff scientist of the laboratory of maize breeding and seed production of the Institute of Agriculture - a branch of the Kabardin-Balkar Scientific Center of the Russian Academy of Sciences.

360004, KBR, Nalchik, Kirov street, 224.

Ph. 8-903-496-83-90.

E-mail: kagermazov.alan @ yandex.ru

Khachidogov Azamat Valerievich, Candidate of agricultural sciences, staff scientist of the laboratory of corn breeding and seed production of the Institute of Agriculture - a branch of the Kabardin-Balkar Scientific Center of the Russian Academy of Sciences.

360004, KBR, Nalchik, Kirov street, 224.

Ph. 8-962-650-22-79.

E-mail: azamat.xa @ mail.ru

Bizhoev Murat Valerievich, junior staff scientist of the laboratory of corn breeding and seed production of the Institute of Agriculture - a branch of the Kabardin-Balkar Scientific Center of the Russian Academy of Sciences.

360004, KBR, Nalchik, Kirov street, 224.

Ph. 8(8662) 77-29-98.

Email: kbniish2007@yandex.ru