AMARANT ALBUS L. O‘SIMLIGINI BIOLOGIK O‘G‘ITLAR YORDAMIDA YETISHTIRISH BIOTEXNOLOGIYASINI ISHLAB CHIQISH

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Annotatsiya *: Qimmatli ozuqaviy tarkibini saqlagan Amarant o’simligini mineral va bioo’g’itlar bilan hamohanglikda o’stirish , tuproq tarkibidan muhim elementlarni o’zlashtirish darajasini oshiradi. Sifatli tabiiy ozuqa tiriklik uchun muhim. Kerakli ozuqalar bilan to’yinishi uchun, ular faqat ekologik toza biologik va organik o’gitlar yordamida yetishtirilishi kerak.*

Kalit so’zlar: *Amarant urug’lari, tovuq granulalari, zeolit tabiiy mineral o’g’it, Teria-S bakterial o’g’it, yashill bioo‘g‘it*

Kirish:

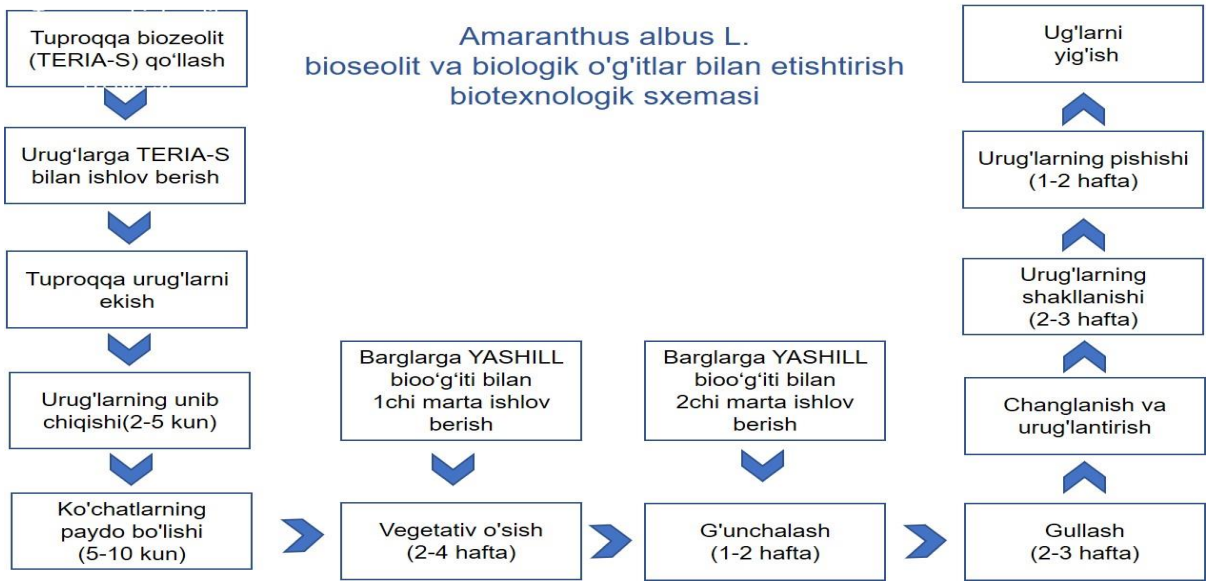
Ko’p qirrali Amarant ozuqaviy boylikka : oqsilga vitamin minerallar mavjudligi zamonaviy iste’molchi uchun asosiy tanlov sifatida e’tibor qaratilmoqda [1]. Urug’i tarkibidagi oqsil bo’yicha 75 ball deb baholangan. Oqsil tarkibidagi lizin bo’yicha[2]. Kichik yoshdagi bolalar o’sish va rivojlanishida aminokislotalardan arginin va gistidinning roli muhim, aynan ushbu aminokislotalar yetarli miqdorda uchraydi. O’simlikni yetishtirishda tanlab olingan o’simlik navi, agrotexnikasi, saqlash sharoitlari, ishlov berish usullari, qayta ishlash texnikalari kabilar o’ziga xos ta’sir ko’rsatadi [3].

Turli iqlim mintaqalarda bardosh berib o’sa oladigan o’simlik **[**4**].** Hosili 1 tupda 5000 dan ortiq urug’ olish mumkin. Amarant asosiy xom ashyo sifatida turli sohalarda tibbiyot kosmetika [5], farmasevtika [6], oziq-ovqat [7], chorvachilikda [8 ,9] ishlatiladi.

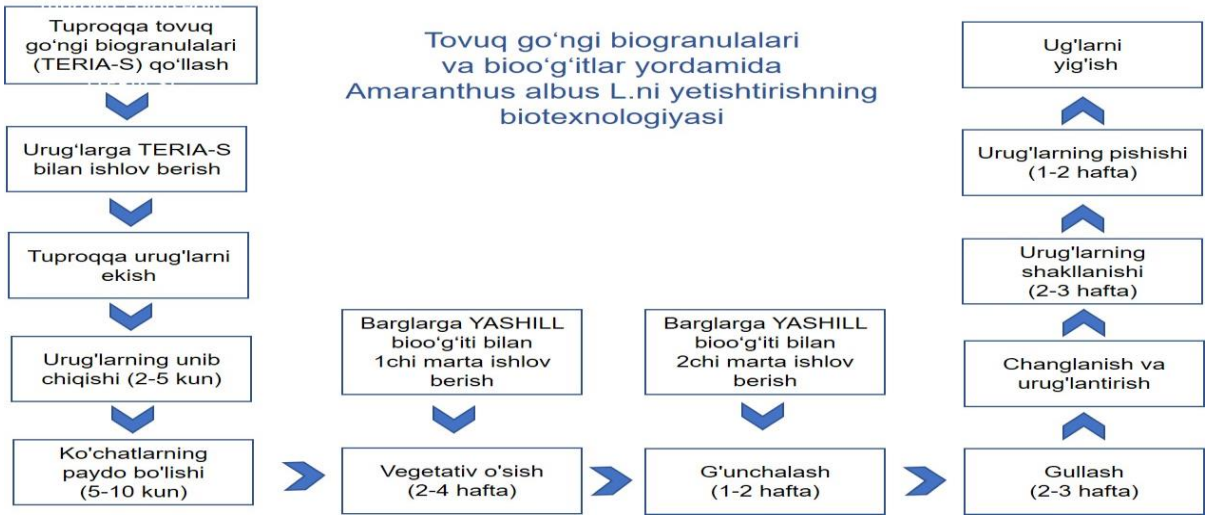
Amarant urug’ini 3oy davomida kunlik me’yorida istemoli natijasida qandli diabet va ortiqcha vaznga ega insonlarda ijobiy natijalar aniqlangan. Xotirani mustahkamlashda ham natijalar yaxshi deb topilgan [10].

Asosiy qism:

Amarant o’simligini biologki o‘g‘itlar yordamida yetirishtirishining tajribalar variantlaridan eng maqul usullari aniqlandi.



Amaranthus albus L. bioseolit va biologik o‘g‘itlar bilan yetishtirish biotexnologik sxemasi



Tovuq go‘ngi biogranulalari va bioo‘g‘itlar yordamida Amaranthus albus L.ni yetishtirishning biotexnologiyasi

Xulosa:

Laboratoriya sharoitida TERIA-S va YASHILL biologik o‘g‘itlarini qo‘llashda amarant urug‘larning unib chiqishga ta’sirini o‘rganildi. Natijasida urug‘larning unib chiqishi nazoratga (30%) nisbatan 60 - 65% gacha ko‘tarildi. Zeolit tabiiy mineral o‘g‘it qo‘shilgan tuproqda laboratoriya sharoitida TERIA-S bakterial o‘g‘itini qo‘llashda amarant urug‘larining unib chiqishiga ijobiy ta’sirini ko‘rsatdi. Laboratoriya sharoitida amarant urug’lariga TERIA-S bakterial o‘g‘iti bilan ishlov berish va tuproqqa zeolitni qo‘llash natijasida urug‘larning unib chiqishini 70-100% gacha oshirdi va kam sho‘rlangan tuproqda ildiz tizimi va

amaranth ko‘chatlarining rivojlanishiga rag‘batlantiruvchi ta’sir ko‘rsatdi. TERIA-S bakterial o‘g‘it bilan ishlov berilgan tovuq go‘ngi granulalarini tuproqqa kiritish orqali amarant urug‘larining unuvchanligi, nihollarining o‘sishi va rivojlanishining biometrik ko‘rsatgichlari bo‘yicha eng yaxshi natijaga erishdik.

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