Sayansi ya bayotekinorogye eiturikuhurira nemanyisaki?



Sayansi ya bayotekinorogye, ei abandi barikweta genetikare modifaidi (GM) tekinorogye n'enkora ei bakarondozi omuri NARO hamwe namatendekyero g'ahaiguru nka Makarere Yunivasite garikukozesa kucondooza aha ndwara z'ebihingwa e'zekika kyahaiguru, ezigumire eitambira kandi neziteine gundi mubazi nka BBW (oba kijunde y'ebitookye), toduura y'omwani n'ebitookye, hamwe n'eziindi ndwara ez'ekika kigumire. Nibabasa kwiha enkwaso omu kimera ekindi bagite omu kihingwa barikuraba omu magezi gekika kyahaiguru. Nabwanyima, bashohoze embibo ezirikubaasa kuba nizigumira endwara nainga ekikooko ekyo.

Sayansi egyo eya bayotekinorogye eine mutaano ki ahazindi abakugu ba NARO barikukozesa kushohoza ebihingwa eby'omurembe?

Omutaano ogu bayotekinorogye eine aha nkora eziindi n'okushanga ngu abanyasayansi nibabaasa kushwezana ebihingwa bitari by'ekika kimwe. Ekyokureberaho ni ekyagambwaho ahaiguru. Kutari kuraba omu magezi g'ekika kyahaiguru, tikirikubasika kushwezana ekitookye n'eshenda. Kwonka kuraba omu nkora egi, no baasa kwiha omugasho gumwe oba ebiri omushenda , omuceeri nainga muhogo ogute omu bitookye. Katugambe nk'okugumira oburweire, nainga okugumira omushana. Eki tikirikumanyisa ngu ekitookye nikiza kushariira nk'eshenda ahabw'okubwokuba nooba waihayo akatafaari kokugumira oburweire koonka, niko ori kutwara omu kitookye.

Twineho ebihingwa omu Uganda ebi abanyasayansi bakozire bakabiha abahingi kubihinga? Hariho ebihingwa ebi abahingi barikuhinga obwahati ebishohozibwe kuraba omu nkora ya bayotekinorogiya?

Ngaaha, omu Uganda titwinemu bihingwa byoona ebirikumanywa obwahati ebirikuhingwa abahingi obwe bikozirwe kuraba omunkora egi eya bayotekinorogiya. Ebi tweine nk'eihanga bikiri omu mikono ya bakarondozi ba NARO ahari Kawanda, Namulonge, Serere hamwe na Kasese. Kwonka nikishubirwa omu bweire butari bwahare ebihingwa ebi nibija kuhebwa abantu, n'okukira munonga Eishengyero rya Uganda kuriramare kuhinguza eiteeka rya Biotekinorogye na bayosefute. Eiteeka eri niriija kuhwera omukuragiira bakarondozi oku barahisye ebihingwa ebi ahabantu, kandi haaba hariho enshonga zoona okuzirakorweho.

Mbwenu, kanituhurira ngu ensigo zikozirwe kuraba omuri bayotekinorogye ninga eza genetikare modifaidi oganizimu wazisharura tokabasa kugaruka kuzihinga zikamera?

Ngaha buzima, ebyo nebishuba. Ensigo ezo wazisharura okagaruka okazihinga nizimera nkezindi zoona eza buriijo. Ekyokureberaho, enkora egi abanyasayansi bagikozeise kukora abitookye na muhogo ezirikugumira ekikooko kandi, ebitookye ebyo nibizaara abaana nkebindi byoona. Na muhoogo nayo nemera nkendiijo yoona wabyara emiti yayo. Kandi waza omu bihiingwa ebye mbiibo nke bicoori, ne bihiimba nabyo ensiigo nizimera nkaburiijo kandi wazibyara nazo nizimera. Kwonka omubihingwa nkebicoori harimu ebika bibiri byensiigo eza hybrid hamwe nezitari eza hybrid. Mbwenu enkora eya bayotekinorogye nekora kurigirira omu nsigo ezi abanyasayansa bakozesa. Baba bakozeise eza hybrid nobasa kugaruka ozibyare zimere kwonka tizirikuza kweera nkoku zirikuba zezire omurundi ogwokubanza. Kandi baba bakozeise bayokinorogye omu nsigo ezitari eza hybrid, nobasa kugaruka ozibyare zere kwonka amasharura nigaba gari makye. Mbwenu nikirugirira omu kihingwa eki bayotekinorogye erikuba ekozesibwemu, kwonka ekyokugamba ngu tibirikugaruka kumera wabibyara ogwakabiri nekishuba buzima.

Ni bihingwaki omu Uganda ebi abanyasayansi bakozireho barikuraba omu nkora ya bayotekinorogiya?

Ebihingwa ebyamazirwe kukorwaho nibyo ebi: ebitookye ebirikugumira oburweire bwa BBW naingashi kijunde, bifiri NARO Kawanda, muhogo erikugumira oburweire bwa Cassava Brown Streak oburikujunza emizi ya muhogo, pamba erikugumira ekikooko ekiri kurya ebijuma bya pamba kandi kikeiraguza pamba n'ebindi

Ni bihingwaki omu Uganda ebi abanyasayansi bakozireho barikuraba omu nkora ya bayotekinorogiya?

Ebi bakozireho nibyeija kuheebwa abahingi eiteekaka eririkubeikiriza ryaheeza kuhinguzibwa Eishengyero.

Ahabwenki abanyasayansi barikweyitanira okukozesa enkora ya bayotekinorogye okutaana n'endiijo eyi batuura nibakozesa kweiha ira naira?

Ekibarikugyeitanira no kugira ngu nebayamba neyomutaano kandi neyomurembe kusinga aha yakare. Kuharikuba hariho oburweire ninga ekikooko kisya, nikibarahukira kujumbura oburweire obwo, ninga ekikooko ekyo. Kandi nebayamba kukora ebihingwa ebirikubasa kugumira ekikooko ningashi oburweire obwe juba. Ekindi, hariho ebihingwa ebigumire kwongyera omutindo nkebibitookye, nahabwekyo, enkora egi nebayamba kubikoraho.

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Mbwenu, ebihingwa ebikozirwe kuraba omu nkora ya bayotekinorogye byeineho omutaano ki ahari ebyo ebikozirwe kuraba omu nkora ezindi eza ira?

Tihariho mutano ogu orikubasa kureeba nerisho, kureka ogwe ogu barikuba bakozireho kutungura omutindo gwe kihingwa ekyo. Ekyokureeberaho: ebitokye ebikozirwe kugumira ekikooko nibiba nibishushana kandi nobunuzi bwabyo nibuba nibushushana nebindi ebyaburijo. Omutaano ogurikuba guriho nokugira ngu byo nibiba nibigumira ekikooko ekyo.

Nimigashoki eri omu bihingwa nainga embibo ezikozire kuraba omu nkora ya bayotekinorogiya?

Ebihingwa ebikozirwe kuraba omu nkora ya bayotekinorogye tibiine migasho erikushushana. Nikirugirira ahari kihingwaki ekirikugambwaho, kandi bakarondozi bakakikorahoki? Nabwekyo notekwa kureeba burikimwe omu muringo gwakyo. Ekyokureberaho, omu Uganda twinemu ebi:

- Ebitookye ebikozirweho kugumira oburweire bwa kijunde
- Muhogo ekozirweho kugumira oburweire bwa kijunde
- Ebitookye ebikozirweho kugumira ekikooko
- Pamba arikugumira ekikooko ekirikurya ebijuma bya pamba
- Ebicoori ebirikugumira omushana
- Ebicoori ebirikugumira nainga ebitarikuriibwa kanyogombwa
- N'ebindi

Nimahangaki omu Afrika agu abahingi barikuhinga ebihingwa bikozirwe kuraba omunkora ya bayotekinorogye? Amahanga ago nigo aga: Burkina Faso (Pamba), Sudan (Pamba), Egypt (Ebicoori), nagandi.

Nobaasa kututangaaza ahabikwatireine neiteeka eririyo nirikorwa Eishengyero ririkukwata aha nshonga za Bayotekinorogye na Bayosefute?

Eiteeka eririkukorwa Gavumente erikukuratira enkora ya Gavumente ei ba minista bahingwize omu mwaka gwa 2008 eririkwetwa "National Biotechnology and Biosafety Policy 2008". Enkora egyo ne yoreka Gavumente erikukorengana n'Amahanga agandi yashaziremu kwejunisa enkora ya bayotekinorogye kutunguura eby'amagara , eby'obuhingi n'eby'obuhangwa bwensi. Kurugirira omu nkora egyo, Gavumente ekasharaho kuta eiteeka omu ishengyero eryokuragiira aba nyasayansi oku beine kukora emirimo yaabo kurwanisa oburwaire n'bikooko ebiri kurya ehihingwa n'amatungo. Eiteeka eryo Gavumente ekabanza kuryanjura omu Eishengyero ebiro..... Bwanyima y'okuryanjura rikakwasibwa akakiiko k'Eishengyero aka ebya sayansi na tekinorogye na hati niko kakiriine. Nirishubirwa kugarurwa omu Eishenyero kuteisibwaho omu bwire butari bwa hare.

Hariho ekigambo kitutweire nituhurira ekirikwetwa genetikare modifaidi organisimuzi (GMOs). Nobaasa kutushobororera eki kiri kumanyisa?

Ekigambo ekyo nikikozesibwa kumanyisa enkora ya bayotekinorogye eyekika kyahaiguru ey'okwiiha obutafaari omu kihiingwa kimwe kubuta omukindi kwenda kutungura omutindo gwakyo.

Hariho ntaniso ki ahagati yenkora ya genetikara mofidifaidi oganizimu hamwe nendijo ei abanyasayansa batura nibakozesa kwiha ira?

Entaniso eriho ahankora egi neyi abanyasayansi batuura nibakozesaa kwiiha ira nokugira ngu hati nibakosesa amagezi gekika ky'ahaiguru, kandi ni babaasa kushweranisa ebihingwa ebitari by'oruganda rumwe kwonka n'ekigyendererwa ky'okwongyera omutindo gwabyo ahaiguru nk'okureeba ngu byagumira oburweire hamwe n'ekikooko ekirikubirya. Enkora egi neyamba okugyema abihingwa omu magezi ago bibaase kugumira oburweire n'ekikooko.

Hariho ntaniso ki ahagaati ya genetikare mofifaidi oganizimu hamwe na tishu karikya?

Genetikare mofifaidi oganizimu nkoku nagamba ahaiguru nizikorwa kuraba omu nkora ya bayotekinorogye eyekika kyahaiguru munonga, kandi erimu okwiha obutafaari omu kimera kimwe bukatwarwa omu kindi. Kandi tishu karikya yo terimu kutwara butafaari. Yo n'enkora erikuyamba kukora ensigo z'ekihingwa kimwe omubwingi nk'oku omuhingi arikukyenda. Enkora egi nehwera kuha omuhingi embibo ziteine burweire kwonka niziba zitagyemirwe. Wazibyara ahariho oburweire niziba nizikwatwa oburweire nk'ezindi zoona. Kwonka zo eza GMOs, niziba zigyemirwe oburweire.

Abantu nainga amatungo okurya ebyokurya birugire omu bihingwa ebyakozirwe kuraba omu nkora ya bayotekinorogiya nainga GMOs kiine ekizibu kyoona aha muntu nainga amatungo?

Ngaaha, ebyokurya abirikuruga omu bihingwa ebikozirwe kuraba omu nkora ya bayotekinorogye nibiba biteine kabi koona aha muntu neinga amatungo agarikubirya. Nibiba biteine mutaano n'ebindi byokurya byoona ebirikwihwa omukihingwa nikyo kimwe. Nobuwakuba noreba abyokurya ebyo neinga okubirya, torikuhuriraho entaniso yoona, kandi nomubiri gwaawe tihariho kyoona ekiibiri kuguhinduraho ekirikutaana nebyokurya ebindi.

Itwe nk'a bahingi, abariisa hamwe na bebembezi mbwenu noyeenda tukoreki ekiri kukwaata aha nkora egi eya bayotekinorogiya?

Nk'abahingi kandi abebembezi babantu, nitubashaba muteikiriza kuhabisibwa abarikwerondera ebyaabo. Hariho ebitongore ebyabantu nyabuntu bitari bya Gavumente ebirikugyenda nibibeiha abantu. Mutabihurikiza ahabwokuba, abanyasayansa ba NARO bariyo nibagyezaho kukora ebihingwa ebirikuza kubayamba Oburemeezi bw'o burweire bw'ebihingwa byanyu. Ekyakabiri, mushabe ba MPs banyu, n'abandi bebembezi bashagike eiteeka eriri omu Eishenyero rirabemu rero NARO ebone kubahisyaho embibo ez'omurembe n'ebindi bihingwa ebiyamazire kukora kuraba omu nkora egi ey'ekika kyahaiguru kandi ey'omurembe.

Uganda Biosciences Information Center- e Namulonge ku faamu ya Gavumenti
Agricultural Research Laboratories- e Kawanda ku faamu ya Gavumenti

Science Foundation for Livelihoods and Development (SCIFODE) Tel: +256-392-833315