

Sayansi ya bayotekinorogy eiturikuhurira nemanysaki?



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

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

Omutaano ogy bayotekinorogy 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 koku gumira 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 bayotekinorogyi?

Ngaaha, omu Uganda titwinemu bihingwa byoona ebirikumanywa obwahati ebirikuhingwa abahingi obwe bikoziwe kuraba omunkora egi eya bayotekinorogyi. 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 kuhingwa eiteeka rya Biotekinorogy na bayosefute. Eiteeka eri niriya kuhwera omukuragiira bakarondozi oku barahisye ebihingwa ebi ahabantu, kandi haaba hariho enshonga zoonza okuzirakorweho.

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

Ngaha buzima, ebyo nebishuba. Ensigo ezo wazisharura okagaruka okazihinga nizimera nkeziinda zoonza eza buriiyo. Ekyokureberaho, enkora egi abanyasayansi bagikozeise kukora abitookye na muhogo ezirikugumira ekikooko kandi, ebitookye ebyo nibizaara abaana nkebindi byoona. Na muhogo nayo nemera nkendiiyo yoonza wabyara emiti yayo. Kandi waza omu bihingwa ebye mbiibo nke bicoori, ne bihiimba nabyo ensigo nizimera nkaburiiyo kandi wazibya nazo nizimera. Kwonka omubihingwa nkebicoori harimu ebika bibiri byensiigo eza hybrid hamwe nezitari eza hybrid. Mbwenu enkora eya bayotekinorogy nekora kuri girira omu nsigo ezi abanyasayansa bakozesa. Baba bakozeise eza hybrid nobasa kugaruka ozibyare zimere kwonka tizirikuza kweera nkoku zirikuba zezire omurundi ogwokubanza. Kandi baba bakozeise bayokinorogy omu nsigo ezitari eza hybrid, nobasa kugaruka ozibyare zere kwonka amasharura nigaba gari makyere. Mbwenu nikirugirira omu kihingwa eki bayotekinorogy erikuba ekozesibwemu, kwonka ekyokugamba ngu tibirikugaruka kumera wabibyara ogwakabiri nekishuba buzima.

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

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 kikeiraguzi pamba n'ebindi

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

Ebi bakozireho nibyeija kuhebwa abahingi eiteekaka eririkubeikiriza ryaheeza kuhinguzibwa Eishengyero.

Ahabwenki abanyasayansi barikweyitanira okukozesa enkora ya bayotekinorogy okutaana n'endiyo eyi batuura nibakozesa kweha ira naira?

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



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. Ekyokureberaho: ebitye 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 bayotekinorogyi?

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

- Ebitokye ebikozirweho kugumira oburweire bwa kijunde
- Muhogo ekozirweho kugumira oburweire bwa kijunde
- Ebitokye ebikozirweho kugumira ekikooko
- Pamba ariku gumira ekikooko ekirikurya ebijuma bya pamba
- Ebicoori ebiriku gumira omushana
- Ebicoori ebiriku gumira nainga ebitarikuribwa kanyogombwa
- N'ebindi

Nimahangaki omu Afrika agu abahingi barikuhinga ebihingwa bikozirwe kuraba omunkora ya bayotekinorogyi?

Amahanga ago nigo aga: Burkina Faso (Pamba), Sudan (Pamba), Egypt (Ebicoori), nagandi.

Nobaasa kututangaaza abahikwatireine neiteeka eririyo nirikorwa Eishengyero ririkukwata aha nshonga za Bayotekinorogyi na Bayosefute?

Eiteeka eririkurwa 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 bayotekinorogyi kutungura eby'amagara, eby'obuhingi n'ebyo obuhangwa bwensi. Kurugirira omu nkora egyo, Gavumente ekasharaho kuta eiteeka omu ishengyero eryokura giira aba nyasayansi oku beine kukora emirimo yaabo kurwanisa oburwaire n'ekikooko ebiri kurya ebihingwa n'amatungo. Eiteeka eryo Gavumente ekabanza kuryanjura omu Eishengyero ebiro..... Bwanyima y'okuryanjura rikakwasibwa akakiiko k'Eishengyero aka ebya sayansi na tekinorogyi na hati niko kakiriine. Nirishubirwa kugarurwa omu Eishengyero kuteisibwaho omu bwire butari bwa hare.

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

Ekigambo ekyo nikozesibwa kumanyisa enkora ya bayotekinorogyi eyekika kyahaiguru ey'okwiha obutafaari omu kihingwa kimwe kubuta omukindi kwenda kutungura omutindo gwakyo.

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

Entaniso eriho ahankora egi neyi abanyasayansi batuura nibakozesaa kwiha ira nokugira ngu hati nibakosesa amagezi gekika ky'ahaiguru, kandi ni babaasa kushweranisa ebihingwa ebitye 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 mofidifaidi oganizimu hamwe na tishu karikya?

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

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

Ngaaha, ebyokurya abirikuruga omu bihingwa ebikozirwe kuraba omu nkora ya bayotekinorogyi nibiba biteine kabi koona aha muntu neinga amatungo agarikubirya. Nibiba biteine mutaano n'ebindi byokurya byoona ebirikurwa 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 bayotekinorogyi?

Nk'abahingi kandi abebembezi babantu, nitubashaba muteikiriza kuhabisibwa abarikwerondera ebyaabo. Hariho ebitongore ebyabantu nyabantu bitari bya Gavumente ebiriku gya nibibeihabantu. Mutabihurikiza ahabwokuba, abanyasayansi ba NARO bariyo nibagyezaho kukora ebihingwa ebirikuza kuba yamba Oburemeezi bw'oburweire bw'ebihingwa byanyu. Ekyakabiri, mushabe ba MPs banyu, n'abandi bebembezi bashagike eiteeka eriri omu Eishengyero rirabemu rero NARO ebone kubahisyaho embibo ez'omurembe n'ebindi bihingwa ebizamazire kukora kuraba omu nkora egi ey'ekika kyahaiguru kandi ey'omurembe.

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