



FUNDO ZIKULUZIKULU

Umo Mbuto Zalero (Izo Ukhaliro Wakhe Wuli Kusinthika Pakugwiriska Nchito Maluso gha Sayansi/Mbuto Izo Tunthu Uto Tukulongola Ukhaliro Wakhe Tulikusinthika Pakunjizga Tunthu Uto Tukulongola Ukhaliro wa Mbuto Zinyakhe Mukati Mwakhe) Izo Zili pa Msika Zikucitira Pa Calo Cose Capasi: 2012

Wakulembani Clive James, Wakwambiska kweniso wapampando wa wupu wa ISAAA

Capelekeka na mlembi kwa wanthu 1 biliyoni wakavu na wanjala kweniso ku ciponosko cawo.

MahekitalaghakupandapoMbuto Zalero Izo Ukhaliro Wakhe Wuli Kusinthika Pakugwiriska Nchito Maluso gha Sayansi ghasazgikilapo na 100%, kufuma pa mahekitala 1.7 miliyoni mu caka ca 1996 kufipa pa mahekitala 170 miliyoni mu caka ca 2012.

Mahekitala ghanandi comene, ghakukwana 170.3 miliyoni gha mbuto izo ukhaliro wake wuli kusinthika pakugwiriska nchito luso la sayansi ghakapandika mu caro cose capasi mu caka ca 2012, kulongola kusazgikilapo na 6% , kukwera na mahekitala 10.3 miliyoni kufuma pa 160 miliyoni mu caka ca 2011.

Caka ca 2012 cicalongolokusazgikilapo kukulu comene, kwa mahekitala gha mbuto zalero izi kufuma pa mahekitala 1.7 miliyoni mu caka ca 1996 kufika pa mahekitala 170 miliyoni mu caka ca 2012 – Ici cikulongola kuti mbuto izo ukhaliro wake wuli kusinthika pakugwiriska nchito luso la sayansi ni luso la mbuto ilo lazomerezgeka luwiro comene na wanthu mu mbiri yasonosono iyi- cifukwa- nchakuti phindu lake likuwoneka na maso.

Kwambira mu caka ca 1996 kufika 2012, walimi wanandi comene, wakukwana mamiliyoni ghanandi, wakufumila mu vyaro makhumi ghatatu (30) mu vigaŵa vyakupambanapambana vya caro ca pasi wakasankha pa iwo wekha kupanda mbuto zalero mahekitala ghanandi ghakujumpha mahekitala 1.5 biliyoni – agho ni malo ghakulu kujumpha kukula kwa caro ca America panji caro ca China; Ivi vikulongola cigomezgo ico walimi aŵo wakukhumba kuphindula comene na ulimi wawo wali naco pa mbuto izi izo zikufumiska phindu likulu la cuma, lakusinthia ukhaliro wa wanthu na vyachilengiwa lakuoneka na lakulutilira.

Vyaro viwiri viphya, Sudan (mbuto ya thonje) na Cuba (mbuto ya ngoma) vikapandapo kakwamba mu caka ca 2012. Vyaro vya Germany na Sweden vikaleka kupanda mbathatha zakucemeka “Amiflora” cifukwa wakaleka kuziŵika pamsika; caro ca Poland cikaleka kupanda ngoma za mtundu uwu cifukwa ca malango ghakukanizga mbewu izi.

Pa vyaro 28 ivyo vikapanda mbuto izi mu caka ca 2012, vyaro 20 vikaŵa mu gulu la vyaro ivyo vikukwera sono, ndipo 8 vikaŵa mu gulu la vyaro ivyo kuli mafakitale ghanandi; ivi vikupambana na mu caka ca 2011 apo vyaro ivyo vikwera sono vikaŵa 19 ndipo ivyo vina mafakitale ghanandinandi vikaŵa 10.

Mu caka ca 2012, w̄alimi w̄akukwana 17.3 miliyoni, kukwera na 0.6 miliyoni kufuma mu caka 2011, w̄akapanda mbuto izi –cakukondweska nchakuti w̄alimi w̄akujumpha 15 miliyoni, iyo ni 90%, ni w̄alimi w̄a minda yicokoyicoko w̄akufuma mu vyaro ivyo vikukwera sono. W̄alimi w̄akumanyikwa makola pa makani ghakuyezgayezga umo w̄angachitira kuti phindu lawo liw̄e likulu comene, ndipo nthura mu caka ca 2012, kakaw̄a kakwamba kuti w̄alimi w̄a minda yicokoyicoko w̄akufuma ku caro ca China w̄akukwana 7.2 miliyoni na ku India w̄akukwana 7.2 miliyoni kuti w̄akasankhe kupanda mahekitala ghakukwana pafupifupi 15 miliyoni gha mbuto ya thonje yalero chifukwa cha phindu likulu ilo likusangikapo.

Aka kakaw̄a kakwamba kuti vyaro ivyo vikukwera sono vipande mbuto zinandi, 52%, mu caka ca 2012 kuluska vyaro ivyo vina mafakitale ghanandi, ivyo vikaw̄a na 48%. Mu caka ca 2012, kwandana kwa mbuto izi kukaw̄a katatu kuyezgelela umo vikaw̄ira mu 2011, ndipo kukula kwake mu vyaro ivyo vikuwera sono kukaw̄a kankhondi ka umo vikaw̄ira kumanyuma, 11% panji kuti mahekitala 8.7 miliyoni, kwa 3% panji kuti mahekitala 1.6 miliyoni mu vyaro ivyo kuli mafakitale ghanandi.

Kusazga vinthu vyakuw̄ikamo mu mbuto zalero izi nkhwakuhumbikira comene – vyaro khumi na vitatu vikapanda mbuto izo zikasinthika pakusazgamo vinthu viw̄iri panji kujumpha apo mu caka ca 2012, ndipo cakukhukiska nchakuti, vyaro khumi pa vyaro khumi na vitatu ivi vikaw̄a vyaro ivyo vikukwera sono – mahekitala 43.7 miliyoni panji pafupifupi hafu ya mahekitala 170 miliyoni mukaw̄a vinthu vyakusazgikana mu caka ca 2012.

Caro ca Brazil, caka cacinayi sono mu vyaka vinayi vyakulondezguna caw̄a nga ndi kwakufimira nkhangono zakukwezgera ulimi uwu pa caro cose, casazgilako mahekitala ghanandi comene gha mbuto izi kuluska caro cilicose- kukwera kufuma pa mahekitala 6.3 miliyoni, iyo ni 21% mu caka ca 2011 kufika pa mahekitala 36.6 miliyoni.

Caro ca America cikalutilizga kuw̄a panthazi pa vyaro vyose na mahekitala 69.5 miliyoni uko ni kuzomerezga kwa mbuto zakupambanapambana zalero izi kwakukwana pafupifupi 90%. Nga'mba iyo yikawa ku America yikapangiska kuti kutayika pawaka kwa ngoma zakukwana 21% ndipo soya wakatayika wakukwana 12%. Caro ca Canada cikaw̄a na mahekitala 8.4 miliyoni ya Kanola iyo yikasankhika na w̄alimi pafupipafupi 97.5%.

Ku India kakaw̄a kakwamba kuti thonje lipandike mahekitala 10.4 miliyoni ndipo w̄alimi 93.% w̄akasankha kulima mbuto iyi, apo w̄alimi w̄a minda yicokoyicoko 7.2 miliyoni ku China w̄akapanda thonje mahekitala ghakukwana 4.0 miliyoni kulongola kuzomerezgeka kwa mbuto zalero kwa 80%, uko kungayimila mahekitala pafupifupi 0.5 pa mulimi waliyose. Caro ca India cikakwezga phindu la kufuma ku ulimi wake na makopala ghakukwana US\$12.6 biliyoni kufuma ku ulimi wa thonje lalero ili kufuma mu caka ca 2002 mpaka 2011, US\$3.2 biliyoni yikasangika mu caka ca 2011 pela.

Ku Africa ulimi uwu walutilira kuluta panthazi ndipo caro ca South Africa casazgilako malo ghakulimapo mbuto izi na mahekitala 0.6 miliyoni, agho ni malo ghakulu comene ciyambire, ivyo vyacitiska kuti mahekitala ghakupandapo mbuto izi ghafike pa 2.9 miliyoni mu caro ici. Caro ca Sudan cikalondezga vyaro vya South Africa, Burkina Faso na Egypt ivyo vyacitiska kuti vyaro ivyo vikulima mbuto izi vikwane vinayi mu Africa.

Vyaro vinkhondi vyakufuma mu wupu wa vyaro vya ku Ulaya vikapanda ngoma zalero malo ghakukwana mahekitala 129071, uko nkukwera na 13% kufuma mu caka ca 2011. Caro ca Spain ndico cikaŵa panthazi, cikapanda ngoma zalero izi mahekitala ghakukwana 116307, kukwera na 20% kufuma mu caka 2011.

Kufuma mu caka ca 1996 kufikira caka ca 2011, mbuto zalero zikavwira comene pa kasangikiro ka cakulya, ulimi wakulutilira, na makani ghakukhwaska kusinthika kwa nyengo: pakukwezga unandi wa vuna uwo makopala ghake ghangakwana US\$98.2 biliyoni, pakuvwira kuti vyacilengiwa na malo agho tikukhala ghaŵe ghakuthaskika, pakuponoska makilogilamu 473 miliyoni gha mankhwala ghakupopera mbeu; kucepeska mphepo ziheni za CO₂ na makilogilamu 23.1 biliyoni mu caka ca 2011 pela, ivyo vikuyana waka na kulekeska magalimoto 10.2 miliyoni kwenda pamsewu; pakucespeska kunangika kwa vyacilengiwa pakusungika kwa mahekitala 108.7 miliyoni gha malo; pakucespeska ukavu kwizira mu kuvwirika kwa ŵalimi ŵa minda yicokoyicoko na mabanja ghawo ŵakujumpha 15 miliyoni awo wose pamoza mbanthu ŵakujumpha 50 miliyoni, awo ŵanji mwa iwo mbanthu ŵakavu comene pa caro ca pasi. Mbuto zalero izi nizakukhumbikila comene nangauli ni zgolo la masuzgo ghose cara nakutiso zikukhumba kulondezganga nthowa ziwemi zaulimi nga ni kusinthasintha mbuto izo mukupanda pa malo kweniso kumanya kupwerera mbuto makola kuti zileke kukoleka na matenda panji vidoyo cifukwa mbuto izi nizakucita kusinthika ukhaliro wake pakulondozga luso la sayansi kuti zileke kukoleka na matenda panji vidoyo vinyake.

Kusowa kwa malango ghakwenerera ghakudangilira kazomerezgero ka mbuto zalero izi ghakupangika pakughanaghanila luso la sayansi ndiposo ghambula kutayiskana nyengo na makopala vikulutilira kuŵa cakukhuŵaliska pa nchito yakuzomerezga kupandanga mbuto izi. Malango ghakudangilira kazomerezgero ka mbuto izi agho ngakuwunikika makola kwenisoghambula kujanda kazomerezgero ka mbuto izingakukhumbika ku vyaro vicokovicoko na vikavu ivyo vikukwera sono.

Mtengo wa njere za mbuto zalero izi pazekha ukaŵikika pa US\$15 biliyoni mu caka ca 2012.

Maghanoghano ghamunthazi: - Pali cigomezgo cakuti phindu lakufuma mu ulimi wambuto izi lilutililenge kukwera cifukwa ca unandi wa mbuto zakupambanapambana izo zazomerezgeka kale pa masika mu vyaro ivyo vikukwera sono na vyaro ivyo kuli mafakitale ghanandi.

ISAAA ni wupu uwo ukusangapo phindu lililose yayi pa nchito izo wukugwira, ndipo likupokera wowwiri wa makopala kufuma ku makampani/mawupu gha boma na gha ŵanthu. Mahekitala ghakulimapo mbuto zose zalero izi ghose ghakupendeka kamoza pela, kwambula kughanaghanilako unandi wa vinthu ivyo vyaŵikika mu mbuto izi. Makani ghanandi ghalebeka mu mu nyuzi ya ISAAA Brief 44, pa mutu wakuti “Umo mbuto zalero zacidira pa msika mu caro cose capasi mu caka ca 2012” iyo yalebeka na Clive James. Kutu mumanye vinandi, lutani pa <http://www/isaaa.org> panji yimbani foni ku +254 20 4223618 panjiso lembeleraniku adiresi iyi africenter@isaaa.org.