



**EJAUTENE LO IRAAN LUEGWELANARIO KITOLOMUTETE KETATAI LOITJOKARAA KAKWAP  
KERE KOKARU 2014.  
KWAPE IWADIKATOR CLIVE JAMES, EKAPWAKINAN KA APOLOKINITON EICOLONG LOECOB  
ISAAA.**

**Koinaitete angosibib negai loatan Nobel Peace Laureate Norman Borlang, engangan loapwakunan ISAAA  
kokaru 100 luka aurioko, 25 March 2014 (25 olap loiuuniet okaru ilukumin iyareikitomon Kaogon)**

**ABEITOK/ NUITOGONORITAI ATOMON NUOKUJU**

**Nuikamunitor Iraan Luitolomunitai luitosomaete etatai loitjokarit kokaru 2014 (ilukumin iyarei kitomon kaogon).**

**NAITONGONGORITAI NASODIT (1) Ekaru 2014(ilukumin iyareikitomon kaogon) nges aria ekaru** loitomonikin kakany kaogon kanu aitodolikinio agwelanar naka Iraan luitolomunitai kitosomaete etatai loitjokarit iraan. Ageun neerakinere airaeta nusodit kokaru 1996, ibore yen iswamauna aitelekari nu lem sek nges ebe, atutai ketukokin kere, nuadeparito aruta adiopet kimilionin akwatakany kauni (adepar amisirin aruta aogon kapak nasodit) kes oponi opedoroi akorikin, nu airiakas akaisankanyikaun kangin kwatat (80%) adepar alupok kere nuko China arai United States. Atutai nuka Iraan kalu itolomunitai ketatai loitjokaritari kes oponi kirai kotoma akwapini (28) akaisarei kikanykauni okaru(2014) ilukumin iyarei kitomon kaogon ido eyatakinos atutai adepar irwan akwatat anyoun katutai emilionit ediopet kakwat kanykarei kokaru(1996) elukumit ediopet ka kwatat akanykaogon kakaisakany kaogon kikany kape aitodol atutai imilionin akwatat adiopet kakaisakanykaun kidiopet kakwatat akany kokaru 2014- aiyatakin na atutai imilionin ikany kape kakwat auni kitiriani kede atutai imilionin ikany kokaru (2013) lo milukumin iyarei ka itomon kauni narai eiyat kangol karu loarai kidding iuni(3) kiton iwongon (4)kangol akwat. Eiyat loirwanit akwatat ejaiki iraan luitolomunitai ka etatai loitjokaritari araun etatae lukoparitari katipet kapakio kanu- kanu narai itodolikinete ajokis. Eyatakin etiai kakwapin kanu Iraan luitolomunitai ketatai loitjokaritari irwan kaogon anyoun kokanyikape (6) kokaru 1996 (elukumit ediopet kakwat kakanykaogon kikany kape) aitodol 28 (akaisarei kikany kauni) kokaru 2014 (ilukumin iyarei ka itomon kwongon), kuju kidiopet ageun kokaru 2013 (ilukumun iyarei kitomon kauni)

**NAITOGONGORITAI # NAIYAREI (2): Etiai lo akoriok luiraeite iraan luitomunitai ketatai loitjokaritae.** Kokaru 2014 ilukumin iyarei kaitomnkaogon), akoriok imilionin itomon kakany kauni lada aria akaisakany kaogon (90%) kangul kwatat kiaak kicanas, es optu kiraata atutai nuewaolikakatiu imilionin akwatat adiopet kaikanykaun idiopet na iraan kaketolomunitai ketati loitjokaritari kotoma akwapin akaisarei kikani kauni (28). Akoriok kes eras ipiritin lukangul kalumam atwaniar itukuriani ido itojokanaret aitolomio kitosiomaete aitogogongoeret naepedor ( aridakite akor nejaas atutai aruta adiopet ka imilionin akwat akany naka iraan kalu akoritari, kopone kangol koyunete amagor on ka iboro loka Edeke). Kopone kangol , koseunete akoriok lucicik imilionin ikanykarei kakwatat adiopet ko china ,ka imilionin ikanykarei kakwat kanykarei ko India kanu akoru atutai nuadeparito imilionin itomon kakany lu epamba BT kokaru 2014 (ilukumin iyarei kitomon kaogon ) kanu ameda naidelele. Kwape kwangin k kokaru (2014) ilukumin iyarei kitomon kaogon, akoriok lucicik ilukumin akwata aogon kitomon kakany ko Philippiness opotu kimedautu ko kiridid kalo etolomunitai ketatai kalo.

**NAITOGONGORITAI #NAIWUNIET(3). Eipugai loeyait itunga loegogong ko Bangladesh abu kocamak agwelanario na ebirinyanya(Bt brinjal) apak nasodit.** Ikam nata ebe , Bangladesh , erai akwap naicana kojaas itunya kere lueraas imilionin akwatat ediopet ka akaisakany , abu kitogogong ediopet kodiaso (Bt brinjal)ebirinyanya eras aparasia akaisauni olap loitomonet kokaru loilukumin iyarei kitomonkauni (30<sup>th</sup> October 2013), ido kanu ejaas aiwadikaeta kwap naka aparasia numam adolit akwatat adiopet akaulo kaitogogongio akoriok, lucicik kopotu okorioto ebiringanya (Bt brinjal) eras aparasia akaisarei kiyarei olap losodit kokaru ilukumin iyarei kitomon kaogon (22<sup>nd</sup> January 2014). Aitelekaret na ,mam ti epedor arai kemamei agangat naegogony napugan ka eipugae lo eyaitere itunga , lojarit kacut loepolokit akiro nu akor kakwap Mtia Chowdhury-aijen naepol nges erai awanyunet kanu akwapin nucicik kicanas. Itetemonori Bangladesh acok nuitolomunitai ketatai kalo.

**NAITOGONGORITAI#NAIWONGONET(4) Icie koraan "luitetiak " luitolomunitai ketatai kalotogokaritari ,luetogogongio pac kanu aira/akor ,imoriarito inyammat kangin duc -acok ko United States ,iraan luliba -Ebirinyanya (brinjal) ko Bangladesh.** Kokaru ilukumin iyarei kitomon kaogon (2014) abu United States arai America kitogogong iraan iyarei luitetiak luitolomunitai ketatai loitjokaritari kanu akorio:acok nuitojokaritari innate tm , inyammat luduc luedit/ikidioko adoketait na amunyun numam ajar ekot kopol kakuwan /arai nuayaunete adeka , naetapit ayaun adeka na ekaasa koyaauneti ikur luilomelomete kotoma akuwan , kitidisiarit aicanicianio kopone lo agirisionor na emukule ,nepepe ka erasit loenyaritai alfalfa loitidisiaritai ationis karaida enyamata ibaren KK179(HarvXtra tm) kopedor aidudusiar kapatanu ka emine (erasit alfalfa nges erasit losodit koraan kalu itanere ibaren kakwap kere). Akwap na Indonesia obu itogogong akorio na eikajo lo etitingikit akipi nuedou nuikidioko. Brazil da obu kitogogong o cultivance tm ,esoya a HT ,emaroqe loekorior kore kityie adeka naeyaunete ikur ngul lucicik lumam akonge epedori awanyun loidarit airao kokaru loilukumin iyarei kitomon kakanykape (2016). Vietnam da obu kitogogong o ekiridid loitolomunitai ketatai loitjokaritari (HT Ka IR) Kapak nasodit kokaru loilukumin iyarei kitomon kaogon (2014). Aidokokin nejaas iraan luitolomunitai ketatai loitjokaritari luejaas kwana , luimedaete eitena luitosomaete /luenyamete kes (ekiridid loakwangan lo South Africa, Sugar beet arai irasit yen yen itolomunere esukali , ka ekiridid loedosok icok(Sweet corn kotoma United States /America ka Canada ,ka Epapali ka iraan luecunere imaten kotoma United States /America ) Iraan luitetiak kitolomunitete ketatai loitjokaritari kes imoriaritos akabaka naka iraan lu enyamio (brinjal) ko Bangladesh ka acok kotoma United States /America-acok da kes eras nuiwongonet kapolou kotoma onyammat luduc kakwap kere ido einakitos ayuara na inyammat kotoma akwapin kwape China(atutai imilionin akanykape luacok) India (imilionin iyarei) ka akwapin nuimusugun nuimorikikina (EU) (nepetai imilionin iyarei).

**NAITOGONGORITAI#NAIKANYET(5)Akwapin nuejaas kuju kanu akor iraan luitolomunitai ketatai loitjokaritari.** Abu United States arai America kiyatak araun akwap naingarenit kede atutai imilionin akaisakanykare kidiope ka akwatat adiopet (na arai akaisaogon kangin kwatat 40% kakwap kere)jido korai acamunio narai akaisakany kaogon kangin kwatat kanu iraan nuepolok luka ekiridid(nejaara akaisakanykoangon kiuni kangin kwatat) esoya (akaisakanykaogon kiwongon kangin kwatat) ka epamba (akaisakanykaogon kikanykape kangin kwatat ) esoya (akaisakany kaogon kiwongon kangin kwatat) ka Epamba (akaisakany kaogon kikany kape kangin kwatat). Ido Brazil arai akwap nasodit kokaru kiton okar kotoma apolo naka atutai kokar ikany luatuboros; America arai United States nges Koponi kosipokinai kwape nasodit kokaru ilukumin iyarei kitomon kaogon (2014) kede atutai imilionin iuni, kitiriani katutiu emilionit ediopet kakwat akanykaogon kanu Brazil. Ajena cut ebe, abu Brazil kokori/kiira esoya loidaritari ejok loenyaritai HT/IR nuiwadikatai aiwadikaeta nueraas atutai imilionin ikany kakwat aarei kokaru ke loiyareit akaulo na aitegiar. Abu Argentina kitasalik enaba ke loaboisit naiuniet, kwape nepetai kede atutai imilionin akaisarei kiwongon kakwat auni, anyoun komilionin akaisarei kiwongon kakwat awongon ,

kokaru ilukumin iyarei kitomonkauni (2013). India arai naiwongonet kojaas kotoma aiwadikaeta, atutai imilionin itomon kadiope kakwat akanykape nuka Epamba Bt(imilionin itomon kadiope kokaru ilukumin iyarei kitomon kauni orai acamunio narai akaisakany kaongon kikany kagin kwatat. Canada nges arai nai kanyet kojaas da kede atutai imilionin itomon kadiope kakwat kape kiyatakina Canola kede acamunio na ekeikina narai akaisakanykaongon kikany kangin kwatat. Kokaru loilukumin iyarei kitomon kaongon (2014), ngin diope kakwapin akany nuajaas kuju kopotu kirata/okorioto atutai nuadeparito imilionin itomon nuopotu kijaikis apetetait naelala kogogong kanu apolo naesipo nako ingaren.

**NAITOGONGORITAI#NAIKANYETKAPE(6). Ekiridid losodit loetolomunitai ketatai loitojokaritai loatitingikit akip adis loeritai United States arai America kokaru ilukuminiyarei kitomon kauni(2013) abu kiyatakin irwan kany kokaru ilukumin iyarei kitomon kaogon (2014).** Ekiridid loetitingikit akipi nuikidioko "Drought Gardtm" nges aponi kokorikinoi United States/America kokaru ilukumin iyarei kitomon kauni, ido obu kiyatakin irwan ikany kicunyak ikany anyoun katutai ilukumin akaisakany kokaru 2013 kiton ilukumin akwat arei kakaisakanykarei kikany kokaru 2014aitodun acamunioke kanejaas akoriok-ngupengunkoponi koinakinai mama ejaas itunga ka aibungena nuetolose te bonik kaiyeyea- Water Efficient Maize for Africa (WEMA)orai kanu aitodolikin ekiridid loetitingikit akip nuikidioko kitolomunitete ketatai loitojokaritai kakwapin nueseunitai ko Africa kokaru ilukuminin iyarei kitomon kanykarei (2017).

**NUITOGONGORITAI#NAIKANYETKAREI(7).Ejautene lo iraan kalu itolomunitai ketatai loitojokaritai kotoma Africa .**Akwapin nuitunga kaluiriokok kes enyikokis adok kuju ido kojai akwap South Africa iririkina kwap mot kede atutai imilioniniyarei kakwat akanykarei kacut kanu ekadikadi lo akipi. Akwap na Sudan nges obu iyatak atutai nu akoritoi nu Epamba Bt nepetai kede akaisakany kangin kwatat, ido aica obu ogeayatakite ti atutai nuekeikina adepar atutai akwat kany ko BurkinaFaso Akwapin akanykarei nuedokokino(Cameroon, Egypt, Ghana, Kenya, Malawi,Nigeria ka Uganda)opotu kitetemonos aitegiar kede iraan ngul luepedorete luican,adoketait naerokor nawasia komam da edolitor aitogogongor. Nuepolok, atukot/Eproje ke WEMA eterekitai aitodolikin ekiridid loejok kitolomunitete ketatai kalo , loetitingikit aica naepol/naewoja (Dt)koupas kede aitikitikio na ikur(Bt) kotoma South Africa kokaru loilukumin iyarei kitomon kakanykarei(2017). Ekadakada lo aijen naiswamata iboro luajarak kaluatwak naedolit etiai/apak kiponesio luitikitiket luegogong komam ilajara kes ipudai katipet kanu airiamar ka eipud lo akoriok lucicikka akwapin nuepoloete nuicanas.

**NUITOGONGORITAI#NAIKANYET KAUNI(8). Ejautene lo eraan kalu itolomunitai ketatai loitojokaritai kotoma akwapin nu (European Union)imusugun nuimorikikina.** Akwapin akany nui imusugun nuimorikikina opotu kinyikokis aira/akoru atutai ilukumin akwatat adiopet kakaisaongon kiuni kitomon akanykape aiririarite kwap nepetai kede kiuni kangin kwatat ageun kokaru loilukumin iyarei kitomon kauni (2013). Obu Spain kingarenik kede atutai ilukumin akwatat adiopet kakaisauni kikanykauni lue kiridid(Bt)kwap kiuni kangin kwatat ageun kokaru loilukumin iyarei kitomon kauni(2013) konye nuitodunitos aiwadikaeta nu erai akaisauni kadiope kicunyak kikanykape na acamunio/aitegiar. Kaurianut ajaas aiyatanakineta nuacaete kotoma akwapin auni nu imusugun nuimorikikina (European Union) kede aitidisiaro mot kotoma akwapin arei, koyaute akorionaedit lo ekiridid kede adoketa nuitolose te apedor.

**NAITOGONGORITAI# NAIKANYET KAONGON(9).Ajokisio nueinakit iraan luitolomunitai ketatai loitojokaritai .**Airerionorio/awanyanar naitetet naitanyanyaritai na okaru ilukumin iyarei kitomon kaongon kakwap kere obu kitogogong ajokisio nuecaete nuepolok, kokaru akaisarei luatuboros. Awanyanario nuitanyanyaritai naesisiare iboro akwatat kakaisaongon kikany karei kotoma okaru akaisarei luatuboros kakwap kere , obu kitogogong ebe "kidding kidding etatai loeracere iraan kocamutete nges etidisia eitosomae loikiyai kede akaisuani kikany karei kangin kwatat, ido eyatak aira na iraan kede akaisarei ku iyarei kangin kwatat, ido obu kiyatak ameda nakoriok kede akaisakany kape kikanykauni kangin kwatat". Adumuneta nu erucokitos abongonokineta nusek kotupanakina kede aisia na ngol kuru na kwap kere. Adisk akiro nuetukonokitai pac kanu ikaru elukumit ediope kakwat akanykaongon kakaisakany kaongon kikanykape kiton ilukumin iyarei kitomon kauni (1996-2013), kes etodutu ebe iraan luitolomunitai ketatai loitojokaritai ainakis ayuara na inyam, ajaut naduc kede kiboro luenakit Edeke/aijuljulio na ikwamin , kopone lo aiyat eitolome lo iraan loejai otia lo apiai nu America arutai akwatat adiopet kakaisauni kiuni ,nuda ainakis ejautene loajokan kopone lo aimon ikilos akwat kany naiboro luitogogongito ikiyai anyoun kokaru lo elukumit ediope kakwat kaongon kakaisa kanykaongon kikanykape (1996) kiton okaru lo ilukumin iyarei kitomon karei(2012),Kotoma okaru loilukumin iyarei kitomon kauni bon,obu kitidisia eitolome kaloekwam loebos(CO2) kede ikilos aruta akaisare kikany kauni neda eiriakis kede alemar amotoka imilionin itomon karei kakwat aongon korot kanu ekaru ediopet ;ayuarit iboro lu ajarak ka luatwak kopone lo aimonoikin atutai akwatat adiopet kakaisaun kiyarei nu elap ageun kokar elukumit ediopet kakwat kany kaongon kikanykape (1996) Kiton ilukumin iyarei kitomon kauni (2013); ido obu kigangak aitidisiar ibakor kanu akoriok lucicik luedeparito imilionin itomon kakanykape kakwatany kede ikaliakec luadolito kere itunga luadeparito imilionin akaisakanykape kikany;lueraas icie kotunya luicanas kakwap kere. Karai da kepuda iraan lu, konye mam kes edaunete atiokisio kere, ido atupakite iponesio liotolomet iraan lu ejokaa kwape nat aijuljul iraan aira ngul luegogong kes agogong atupit kane ejaas iraan lu kitiriani kiraan luduc.

**NAITOGONGORITAI #NAITOMONET(10).Ajokisio nuongaren.** Kocoitete kawomit na eiyat na ameda kangol karu naomitai na itodie epone loetegearere nu erai na okuju(akaisakany kaongon kiton akwatat kangin kwatat) kotoma oraan luakwana lupeduc luitolomitai ketatai loitojokaritai,kitasalikite aibois naedite kanu aiyat kosokonin luekusiarito luejaas akwapin nueroko epoloete kanu apoloros. Ileleba erot /ejautene kede iraan luitetiak luitolomunitai ketatai loitojokaritai (kibwaikin okisila luitogogongoete acamainio kec airao kede ayangaunio toma kakwapin kec) luepedorete ajaut okaru ikany luongaren arai kwangin-ipitenio luedeparito akaisakany karei lo iraan luepedor aitolomiokec nejai aitijenaret kaeleleba imoriarito kesi luipu koraan luitetiak ka ipitenio kacut luitolomunitai kojaas kiponesio luegelegela luitepegeata kesi ikur kadekesia ka atitikit ikiyai lu isikere/eyarete eduwan . Emucere lo isaibuikit(Golden rice)nges ejai iyata kede epone lo awanyanar kamisirin nepepe kede acok nuitepegete asurokinio na adeka na emudiari(esurokin) kes eroko edisiak nuda eutai awanyanar kamisirin nu Bangladesh, Indonesia, kede India. Ko America(United States ) adau Simplot aipikakin akelipan kanu aitanyanyario na acok nuitojokaritai "InnateTm" nada ejaas kagogong na aitiji arai kesurok adeka naemudiari kesi eroko edisiak kojaas da aitidisiario na esukali nejai kwap;kimedaikini iraan luican kacut kotoma Africa, kwape nat etaget loi togogongitai kede imare kitijie ikur ,itodunitos amuno;aimorikikina kidding itunga kere ka idiopediope(PPP) kes apedoros mot kakwapin nuepoloete kitolomete iboro luecamunitai itogogongitai -iboro iwangon luoponi kitolotoi aisisiakec aimorikikina kidding itunga kere ka idiope diope , kitodie da atiaketiaketa nu iraan adoketa nuipu ido lueseunitai ejok kotoma akwapin auni nuepolok kokagolitome, kes ejaas irerionorio kotoma aidulesu.

ISAAA erai ekodet lo ejai komam ameda kodumunite agangat kane ejaas itunga lu ibunakina okodeta ka itunga idiope diope . Atutai kere nu iraan kalu itolomunitai ketatai loitojokaritere koponelo eomitere nuda itolomunene ISAAA kes imario irwan atipet bon komam da etupitai ajenun iboro luinyalinyalitai kanu aitolomunia kes. Akiri nuidulok idumakini toma ISAAA aiwadikaunet na akaisangon kikanykaongon "Ejauntene lo iraan kaluitolomunitai ketatai loitojokaritere lu itolomio kaipues na ekaru ilukumim iyarei kitomon kawongon" kwape iwadikator Clive James. Kanu akiro ace, kipejok <http://www.isaaa.org>. arai kodolok ISAAA AfriCenter toma +254204223618 arai email nejai [africenter@isaaa.org](mailto:africenter@isaaa.org).