

# Ebyetaagisa okumanyibwa abalunzi b'embizzi ku kukyusa n'okulongosa endyo z'embizzi mu Uganda



## ENDYO Z'EMBIZZI

Embizzi ez'endyo ezenjawulo, (enzungu, ennansi ne maleeto) zaawukana mungeri gyezigumiramu endwadde, gyezikozaamu emmere, obungi bwabaana bwezizaala buli mulundi, obwangu bwezikuliramu, ne mungeri endala zonna. Oweebwa amagezi okulunda olulyo olukwanguyira.

Endyo ezaffe ennansi zifunika mu bitundu ebiwerako wano mu ggwanga. Newankubadde nga tezigejja nnyo era nga tezikula mangu nnyo nga ozigerageranyizza n'endyo enzungu, zigumira embeera nga endwadde, n'ekika ky'emmere nebwetaba ntabule bulungi. Naye ate zitera okuba n'enyama nga erimu amasavu mangi nnyo.

Endyo z'embizzi enzungu nazo zisangibwa wano mu Uganda, okugeza nga Large white, Landrace, ne Cambrough. Zino zo zizaala abaana bangi buli mulundi, ento zikula mangu nnyo, ate nga n'enyama yaazo ebaamu amasavu agekigero, yadde nga zetaaga emmere nyingi ate nga etabuddwa bulungi.

Maleeto eziva wakati w'enzungu n'ennansi zibeera nebikula eby'endyo zombi ebyogeddwaako waggulu. Maleeto zino zandibadde nnungi okulunda bwekiba nti omulunzi ayinza okukalubirirwa okutukiriza ebyetaago byokuliisa n'okulabirira enzungu zenyini.

Ekifananyi: K. Marshall, ILRI



Ekifananyi: K. Marshall, ILRI



**ILRI**  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE



RESEARCH  
PROGRAM ON  
Livestock

**Contact: Karen Marshall**  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
[k.marshall@cgiar.org](mailto:k.marshall@cgiar.org)

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020

# Ebyetaagisa okumanyibwa abalunzi b'embizzi ku kukyusa n'okulongosa endyo z'embizzi mu Uganda



## OKUZAAZISA EMBIZZI

Londa enkazi n'ennume ennungi kubanga ebikula byombi bivunanyizibwa kyenkanyi ku bulungi n'omutindo gw'obubizzi obuto obunazaalibwa.



Ekifananyi: K. Marshall, ILRI

Wakisa enkazi ezirina enkizo mu kikula kyazo (bukulu ki kwezaalira omulundi ogusooka, bbanga lyetwala okuva kuluzaala olumu okutuuka kululala, obungi bwabaana abazalibwa buli mulundi ne okujja kumabeere) ku nnume nga zikula mangu ez'olulyo olulungi olwo zisobole okuzaala embizzi ento enyingi ezinakula amangu ennyo nokuvamu enyama ennungi erimu amasavu ag'ekigero.

Enkazi enzungu ziyinza okuwakiswa nga bakozeza ennume ez'endyo ez'enjawulo.

Enkazi ennansi ziyinza okuwakisibwa zinaazo ennansi ziveemu obubizzi obuto obunnansi. Ate enkazi ennansi ziyinza okuwakisibwa ku nnume enzungu oba eza maleeto awatali mutawaana (okujjako wegendereze okulaba nga ennume sinnene nnyo kubanga eyinza okuzimenya omugongo).

Okuwakisa embizzi nga enkazi n'ennume ziriko oluganda gamba nga ezo ezazaalibwa embizzi enkazi emu, oba okuddira embizzi nerinyirwa mutabani waayo, kivaamu embizzi ezirina obuko (in-breeding). Ennume oba enkazi ezekika kino nga zituuse tezizaala bubizzi bungi, ate obuba buzalibwa tebukula bulungi, buba bwa luyongoyongo, bu wandwadde, era embizzi ezilimu obuko zitera okubeera engumba. Wakisa embizzi enkazi nensajja ezitalinaako luganda



**ILRI**  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE

Contact: Karen Marshall  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
[k.marshall@cgiar.org](mailto:k.marshall@cgiar.org)

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020



RESEARCH  
PROGRAM ON  
Livestock

# Ebyetaagisa okumanyibwa abalunzi b'embizzi ku kukyusa n'okulongosa endyo z'embizzi mu Uganda



Ekifananyi: D Kugonza, MU



Ekifananyi: K. Dhanji, ILRI



Ekifananyi: D Kugonza, MU



## OKUWAKISA EMBIZZI MU NKOLA EY'OKUKOZESA EMPISO (AI)

Okuwakisa ne mpiso y'enkola abakugu mwebakunganyiza amazzi agalimu enkwaso okuva ku nnume ne bakozeza empiso okugateeka mu mbizzi enkazi eri ku musalo olwo nefuna eggwako. Omukugu mu kuwakisa yakola ekintu kino.

Abalunzi bangi bakozezeza AI nebaganyulwamu mu Uganda. Tewali njawulo wakati w'embizzi eziwakisiddwa munkola eya AI nezo eziwakisiddwa nga zirinyiddwa nnume.

Ekirungi eky'enkizo ekiri mu kukozesa enkola eya AI kwekuba nti kiziyiza omusujja gwembizzi (ASF) kubanga tewaba kutambuza nkazi nga omulunzi anonya ennume. Ate era AI ewa omukisa omulunzi okweroboza mu ndyo ze nnume zayinza okukozesa nasobola okulondako esinga okumukolera obulungi.

Okufuna emiganyulo mu nkola eya AI, embizzi enkazi yandilisiddwa bulungi. Olwo bwolaba obubonero bw'omusalo nga n'omuwakisa ategezeddwa mu budde amangu ddala nga embizzi etandise okulaga obubonero.

Omulunzi bwaba ayagala kukozesa enkola ey'empiso (AI), atuukirire omusawo w'ebisolo atwala ekitundu mwabeera oba omuwakisa yebuuze ku lulyo lwe nnume olwandibadde olulungi okukozesa nga ogerageranyizza n'omutindo gwobulunzi bwe.

Nga amalirizza okukuba ambizzi yo empiso ewakisa, omuwakisa yandikulekedde obuwandiike obulaga olulyo lw'ennume lwaba akozeseza okuwakisa embizzi yo.

Webuuze ku musawo w'ebisolo atwala ekitundu mwobeera akuwe endagiriro y'omuwakisa akolera mu kitundu ekyo.



**ILRI**  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE

*Pig Breeding Information for Uganda Pig Keepers: Pig artificial insemination, Uganda / Nov 2020*



RESEARCH  
PROGRAM ON  
Livestock

Contact: Karen Marshall  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
[k.marshall@cgiar.org](mailto:k.marshall@cgiar.org)

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020



# Ebyetaagisa okumanyibwa abalunzi b'embizzi ku kukyusa n'okulongosa endyo z'embizzi mu Uganda



## OKULONDA EMBIZZI ENKAZI EZ'OLULYO OLULUNG

Bwoba nga wetaaga okwekuliza ennume okuva mwezo ezizaliddwa mukisibo kyo, londamu ezisinga obulungi nga nnamu bulungi, nga zizaliddwa ne zinaazo nga nyingi. Oweebwa amagezi obutatunda bubizzi bwo obusinga obulungi bwonna bwoba nga wetaaga ennume ey'okwekuliza ekozesebwe ku ddundiro lyo.

Bwoba oyagala okweroboza enkazi ento ez'okuzaaza okuva mu bubizzi obuzaliddwa mu kisibo kyo, wandilonze obubizzi busatu oba buna obusinga obulungi nga bwakava ku mabeere. Olwo bulunde obwetegereze olyoke okole okusalawo okusembayo nga ziwezezza emyezi mukaaga (6) egy'obukulu.

Enkazi eziguliddwa okuva awalala zandigiddwa kunkazi nga nzadde nnungi, ezizaala abaana bangi nga obubizzi obuzaliddwa bulama okutuuka kukuva kumabeere, zivaamu amata mangi, nga zizaala omulundi ogusooka kumwaka gumu, nga ziwaka amangu ddala nga zakaggya abaana kumabeere. Ekirala zandibadde nenywanto zamabeere ezetondeka obulungi ezitakka wansi wa 12, ezitaliko bulema bwonna nga hernia nga nekikula kyomubiri kya musitukwa.

Enkazi ezikyali ento zandiwakisiddwa nga ziwezezza wakati w'emyezi musanvu n'omunaana, nga nzito bulungi wakairi nga ziwezezaa obuzito bwa bitundu 70 ku kikumi nga ozigeraganyizza n'embizzi enkulu ez'olulyo lwaazo.

Embizzi enkazi ezitazaala bulungi n'okukuza obubizzi obuto, ezitawakirawo mangu, ezitazaala bubizzi bungi, ezitavaamu mata mangi era nga zifiisa obubizzi bungi nga tebunnava kumabeere, zanditundiddwa nezisalibwa okuvaamu enyama nezitakozesebwa kuzaala.



Ekifananyi: E. Galukande,  
Kampala City Council Authority



Ekifananyi: D Kugonza, MU



Pig Breeding information for Uganda Pig Keepers: Identification of good breeding sows, Uganda / Nov 2020



RESEARCH  
PROGRAM ON  
Livestock

Contact: Karen Marshall  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
k.marshall@cgiar.org

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020

# Ebyetaagisa okumanyibwa abalunzi b'embizzi ku kukyusa n'okulongosa endyo z'embizzi mu Uganda



## OYINZA OTYA OKUMANAYA EMBIZZI ENNUNGI NG'ENZADDE

Kakasa nti ennume ento erondeddwa okukozesebwa mu ddundiro lyo erina enywanto zamabeere ezitakka wansi wa 12 nga zakula bulungi, ensigo zekisajja nga zenkana mu sayizi era nga zombi zitudde bulungi mu kisawo kyazo. Teyandibadde nabulema bwonna gamba nga hernia era nga yonna yamusitukwa mu kikula kyayo.

Ennume ento zandikozeseddwa okulinyira omulundi ogusooka, nga ziwezezza emyezi munaana, nga nzito bulungi eziwezezza obuzito bwa bitundu 70 ku kikumi nga ozigerageranyizza nembizi enkulu ez'olulyo olwo.

Ennume engumba tezandikozeseddwa kulinyiria nkazi.

Ekifananyi: E. Galukande,  
Kampala City Council Authority



Bwekiba nga okozesa ennume eri kukyalo, yogerako nebalunzi banno mukitundu bakulagirire awali annume ennungi. Ennume ennungi teyandibadde nandwadde yonna, nga terina bulema bwonna, nga ziwakisa embizzi mubwangu era nezizaaza obubizzi bungi, bwamusitukwa ate nga bukula mangu nnyo.

Ekifananyi: P. Borel,  
Breeds Feeds and Meats Limited



**ILRI**  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE

*Pig Breeding Information for Uganda Pig Keepers: Identification of good breeding boars, Luganda / Nov 2020*

**Contact: Karen Marshall**  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
[k.marshall@cgiar.org](mailto:k.marshall@cgiar.org)

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020



RESEARCH  
PROGRAM ON  
Livestock

Ebyetaagisa okumanyibwa abalunzi  
b'embizzi ku kukyusa n'okulongosa endyo  
z'embizzi mu Uganda



ENKAZI N'ENNUME ENNUNGI  
OYINZA KUZIFUNA OTYA

Embizzi ezisinga obungi mu Uganda za musaayi mutabike (maleeto) okuva mu ndyo ez'ebika ebiwerako. Bwoba olina olulyo lwewandiyagadde okugula, nonya omulunzi omulungi amanyiddwa nga mulunzi wa lulyo olwo kubanga ezo eziyinza okufunika amangu tezimanyiddwa lulyo lutuufu oba zi maleeto.

Bwoba ogenze okugula embizzi ka ebe nnume oba nkazi, nonyereza ebikwata ku bazaale bwazo. Embizzi z'ogula zandiggiddwa ku nkazi n'ennume ezisinga obulungi. Bwaba omulunzi gwogenda okugulako tamanyi bikwata kubuzaale bwazo oweebwa amagezi okunonyaako awalala



Ekifananyi: E. Galukande,  
Kampala City Council Authority



Ekifananyi: K. Dhanji, ILRI



Pig Breeding Information for Uganda Pig Keepers: Where to access good breeding sows and boars, Luganda / Nov 2020



RESEARCH  
PROGRAM ON  
Livestock

Contact: Karen Marshall  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
[k.marshall@cgiar.org](mailto:k.marshall@cgiar.org)

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020

# Ebyetaagisa okumanyibwa abalunzi b'embizzi ku kukyusa n'okulongosa endyo z'embizzi mu Uganda



## OMUSALO N'OKUMANYA OBUBONERO BW'OMUSALO

Embizzi emala wakati we nnaku 2 ne 3 ng'omusalo tegunaggwako. Embizzi eze ku musalo omulundi ogusooka yandditwaliddwa ku nnume ku lunaku olusooka mu musalo, ate nga enkulu yanditwaliddwa ku lunaku olw'okubiri.

Obubonero embizzi eri kumusalo bweraga bwe buno: ezimba era n'emyuka amabega (wefukira omusulo), evaamu oluzizzi olukwafu emabega, egezaako okulinyira zinaazo era bwebagirinyira eyimirira netaddukawo, nebwo'oginyigiriza oba okugituula ku mugongo teddukawo, eyimirirawo.

Embizzi bweba egaanyi okujja kumusalo waliwo eddagala ly'oyinza okugiwa naye lino lirina kukozezebwa omusawo omukugu. Oluusi nendiisa etali nnungi nnyo eyinza okuletera embizzi obutajja ku musalo. Embizzi ngemaze okujjako abaana kumabeere ekomawo ku musalo wakati w'ennaku 2 ne 10 bweba erabiriddwa bulungi.

Embizzi envubuka zijja ku musalo omulundi ogusooka ku myezi etaano oba mukaaga egy'obukulu. Ekiseera bwekigenderera nga tezijja ku musalo, oyinza okukola bino nekizireeta ku musalo. Fuuyira omusulo gw'ennume mu nyumba yaazo buli kumakya okumala ebbanga lya sande emu, zigatte zibeere nyingiko mu kisenge kimu, ziteeke mu kisenge ekiri okumpi n'enyumba y'ennume olwo enkazi zisobole okugiraba, okugiwunyiriza n'okugiwulira nga ekaaba.

Ekifananyi: : D Kugonza, MU



Ekifananyi: : D Kugonza, MU



ILRI  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE



MAKERERE UNIVERSITY

Contact: Karen Marshall  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
[k.marshall@cgiar.org](mailto:k.marshall@cgiar.org)

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020



RESEARCH  
PROGRAM ON  
Livestock



# Ebyetaagisa okumanyibwa abalunzi b'embizzi ku kukyusa n'okulongosa endyo z'embizzi mu Uganda



Ekifananyi: K. Marshall, ILRI



## OKUWAKISA EMBIZZI

Embizzi envubuka zandiwereddwa ennume ku lunaku olusooka ngemaze okulaga obubonero bw'omusalo ate nga enkazi enkulu zandiwereddwa ennume ku lunaku o'lwokubiri ng'obubonero bumaze okweraga.

Kakasa nti seddume ya buzito bwakigero (si nnenne/nzito nnyo, kunkazi gyerina okulinnyira).

Ennume teyandiwereddwa nkazi nyingi nnyo mu banga erya wiiki kubanga eyinza okulemerewa okuziwakisa. Kino kisinga kulabikira ku nnume nga eri emu kukyalo oba kumalundiro agalina embizzi enkazi nga nyingi nnyo. Ennume teyandiwereddwa nkazi zisukka mu ssatu mu lunaku lumu.

Ennume eriisiddwa negejja nnyo etera obutayagala kulinnyira. Wewale okuliisa ennume emmere enyingi ennyo negejja ekisukkiridde.



**ILRI**  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE

**Contact: Karen Marshall**  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
[k.marshall@cgiar.org](mailto:k.marshall@cgiar.org)

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020



RESEARCH  
PROGRAM ON  
Livestock



# Ebyetaagisa okumanyibwa abalunzi b'embizzi ku kukyusa n'okulongosa endyo z'embizzi mu Uganda



## OKUWAKA MU MBIZZI N'OKUMANYA EZIWASE

Eggwako bwerigana okukwata, embizzi ekomawo ku musalo oluvanyuma lwa wiiki nga satu. Embizzi gikebere olabe oba eraga obubonero okutandikira ku nnaku 19 okuva lweggibwa kunnume oba okuwakisibwa nempiso.

Oyinja okukakasa oba embizzi yawaka ng'okozesa ekyuma ekiyitibwa Ultrasound scanner nga wayiseewo wakati wennaku 18 ne 35 okuva lwewagitwala kunnume. Obuuma buno butera kuba oba okukozesebwa basawo abawakisa embizzi n'empiso (AI).

Obubonero obulaga okujja ku musalo bwebuba bulabiddwa wakati wennaku 2 ku 15 okuva embizzi lweyatwalibwa ku nnume, ekyo kiraga nti eggwako teryakwata era kiyinza okuva kumbizzi okuba nobuzibu ku nabaana era bweba eddingana ekintu kino oweebwa amagezi embizzi eyo etundibwe.

Naye obubonero bwebuddamu okweraga nga wayiseewo wakati wennaku 18 ne 22 ng'emaze okuva ku nnume, ekyo kiraga nti enkazi eyo teyawaka oba yavaamu eggwako wakati w'olunaku 1 ne 10 ng'emaze okuva ku nnume.



Ekifananyi: K. Dhanji, ILRI



**ILRI**  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE

*Pig Breeding Information for Uganda Pig Keepers: Pig pregnancy and pregnancy diagnosis, Luganda / Nov 2020*



RESEARCH  
PROGRAM ON  
Livestock

**Contact: Karen Marshall**  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
[k.marshall@cgiar.org](mailto:k.marshall@cgiar.org)

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020

Ebyetaagisa okumanyibwa abalunzi  
b'embizzi ku kukyusa n'okulongosa endyo  
z'embizzi mu Uganda



Ekifananyi: E. Galukande,  
Kampala City Council Authority



OBUKULU OBULI MU KUKOZESA EBIWANDIIKO EBIKWATA KU  
BISOLO MU KUSALAWO KU NZIRUKANYA Y'EMIRIMU KU  
NDUNDIRO

Okukuuma ebiwandiiko ebikwata ku mbizzi zo kiyamba nnyo nga osalawo n'okuteekateeka engeri y'okulundamu wamu n'okutunda embizzi zo.

Okukuuma ebiwandiiko ebikwata ku nyingiza n'ensasaanya y'ensimbi ku ddundiro lyo ery'embizzi kijja kukuyamba okumanya oba okola magoba oba nedda.



Ekifananyi: K. Dhanji, ILRI



ILRI  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE

Pig Breeding Information for Uganda Pig Keepers: Importance of using data in farm management decision making, Luganda / Nov 2020



RESEARCH  
PROGRAM ON  
Livestock

Contact: Karen Marshall  
International Livestock Research Institute  
P.O Box 24384, Kampala, Uganda  
[k.marshall@cgiar.org](mailto:k.marshall@cgiar.org)

The **More Pork** project is led by the International Livestock Research Institute (ILRI) with funding from CGIAR Research Program on Livestock. The breeding component of More Pork is co-led by Makerere University (MU) and ILRI.



This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. Sept 2020