

IMVELISO NOGONYO

(PRODUCTIVITY AND THE IMMUNE RESPONSE)

Xhosa series

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Ukufuya izilwanyana kule mihla kungabonakala kuthandabuzisa, oku kwalo mfanekiso womdlalo osezantsi. Amajikojiko angenza ungaziboni ufilelela kwiminqweno yakho, ngengxa yokwanda kwemiceli-mngeni ethintela impumelelo. Imizekelo yemiceli-mngeni esijongene nayo kwezemfuyo; ngamaxesha onyaka abaxeckayo apho kubashushu ngokuqgithiseleyo okanye imvula emandla neemeko zobusika ezinefuthe elibi, ephinda izise izifo noxinzelelo olubangwa bubushushu okanye bubumanzi. Zonke ezi zinto zithi zongezelele zibe nefuthe kwimveliso. Ngoko ke, siyananzeleka sifumane iindlala zokujongana nezi meko ngohlolo olungenakuphazamisa imbuyekezo.

Have you ever walked through a maze or played a maze game? These days, farming is something like being in a maze, with many twists and turns and walls that seem to rise in front of us as challenges to the end goal of efficient production. One of the challenges that we are faced with in farming is the weather. Weather events are becoming more extreme; winter arrives later and is shorter, and the wet seasons are crazy – that is, if you are lucky enough to actually get some rain. This all adds to stress, which poses greater additional challenges to immunity and, ultimately, production. We need to find the means to face up to the challenges without negatively affecting our returns, but rather find the twists and turns in the maze that will take us on our way to greater economic returns.

Ezinye zezimeko, ziimeko esingenandlela zokuzitshintsha, kuphela sinokuthi sitshintshe indlela ezinokuthi izilwanyana zethu zimelane nazo. Oko kunokwenziwa ngokukhokha imiqobo eyomeleleyo kuzo izilwanyana. Oku konke kubalulekile, kuba sikhishishini elijongene nokuphumelela, ukunyusa igalelo neemveliso ukuze lukhule uqoqosho. Imbuyekezo iboniswa kukuzala, ukuqhama kwemveliso nempiro.

Ukwakha imiqobo eyomeleleyo nekhawulezileyo kwimfuyo kubandakanya isondlo, ukugomela izifo kwanolawulo.

ISONDLO

Kumaxesha amaninzi ukondla kujongeka calanye, isondlo sokhuseleko asihoywa. Isondlo sikhusesi sigcina izilwanyana zondleke ngokwaneleyo ukuze amajoni omzimba asebenze ngokufanelekileyo. Kubalulekile oku kumanqanaba okukhulisa kwamathole, nemveliso yeenkomo ifanele inikwe ngemilinganiselo eyoneleyo. Zonke ezi zakhamizimba zinendima ebalulekileyo eziyidlalayo kumajoni omzimba.

Amandla anikeza amafutha kumajoni omzimba. I-Proteins zilawula ziphinde zincede ukumisa zikhulise umzimba namajoni awo. Oku kuthetha ukuthi ukunqongophalala kwamandla kune neprotein kuneftuwe elibi ekusebenzeni kwavo amajoni omzimba. Litywa (*minerals*) zezinye zezakha mzymba ezingahoyekiyo, ekubeni zinendima enkulu eziyidlalayo ekwakheni umzimba

Litywa ezonyusa umgangatho wama joni omzimba.



okwaziyo ukuzikhusela. Ezinye zezizakha mzymba ezibalulekileyo yi zinc, copper, manganese, chromium kune ne selenium. Ezi zakha-mzymba zibalulekile ekwakheni amajoni omzimba kwaye kunyanzelele ukuba zongezwe kwizondlo zezilwanyana. Kubalulekile ukuqiqha ngezakha mzymba ezoneleyo nokwazi kabanzi ngazo ukuba zingahlisa imveliso yemfuyo zitsho zongamelwe zizifo.

UGONYO

Ukucwangcisa kulungisa ingqondo yahko kuwo onke amajikojiko endlela, ukuze womelele uphinde ufikelele kwiminqweno yakho. Ugonyo yindlela yokwenza izilwanyana zithinteleke kwaye zikwazi ukumelana nezifo ezinokuzihlasela. Oku kungaphunyezwu ngokutofwa ngamachiza athintelayo. Ngokwenza njalo, kulungiseleluwa umzimba ukuba ukhawuleze kwaye kwaye ukwazi ukumelana nezifo. Kubalulekile ukucwangcisa ugonyo lo nyaka nokusebenzisana kune nomhloli nogqirha wemfuyo wasekuhlaleni ukuphumelelisa ugonyo lwemfuyo yakho.

Ngoko ke kubalulekile ukuthi uqaphele kwaye ulandele imiyalelo nemimisela yokuphathwa, yokusetyenziswa, namaxa ogonyo ukuze imfuyo yakho ithinteleke ngokwaneleyo. Le miqathango iquka ukungabekichizalako elangeni nakwiindawo ezishushu. Impumelelo yogonyo ixhomekeka kwixesha elililo, ukusetyenziswa kwezixhobo ezicocekileyo, indlela eyiyo yokugonyo nemeko yokondleka kwezilwanyana. Eminye imigomo ivumelekile ukuba yenziwe kwinyanga ezintathu phambi kokuba isilwanyana sizale.

Indima ne Mpumelelo yogonyo uyibona ngemfuyo eyondlekileyo.

ULAWULO

Ukulawula ifama kungaba nefuthe kumajoni omzimba ngenxa yoxinzelelo nolawulo mthubi (*colostrum management*). Limeko zoxinzelelo zinezipumo ezingathandekiyo kumajoni omzimba. Uxinzelelo oluqhelekileyo luquka:

- ukuzalwa kwamathole;
- ukuphatha ngelixa kusengwayo;
- isondlo notshintsho lwamanzi;

- izithintelo;
- izinambuzane;
- udaka;
- noxinzelelo lobushushu.

Ukuphucula ulawulo lwakho ngokwehlisa uxinzelelo kwizilwanyana lungaphuhlisa impilo nemveliso yezilwanyana. Ukusebenza kakuhle komthubi kuxhomekeke kumngangatho waho, ubungakanani nokusetyenziswa kwaho kwamsinya. Ulawulo mthubi kwifama lunempembelelo kumajoni omzimba kananjalo nakwimveliso yamathole. Umthubi kwiifama ezininzi awuhlolwa kwaye ngamanye amaxesha unikwa mva kumathole asandokuzalwa. Ithole ngalinye xa lizelwe lithi lifumane amandla okuthintela (*immunoglobins*) kwijyure zokuqala ezimbini emva kokuzalwa, athi ahle ngokukhawulezileyo emva kweeyure ezintandathu. Emva kweeyure ezingamashumi amabini anesine amandla okufumana i-immunoglobins ayaphela, namathuba okuphila atsho ehle. Ngoko ke, umthubi kufuneka uhloliwe kwaye amathole asandokuzalwa kufuneka anikwe umthubi okwisimo esihle kwangexesa.

UKUQUKUMBELA

Kukho iindlela esinokuzilungiselela ngazo ukuze soyise imiceli-mingeni. Kuyimfuneko ke ngoko, ukuba sigome izilwanyana zethu kwaye sizenze ziqhelane neendawo eziphila kuzo nezithi zitshintshe ngenxa yemozulu. Loo nto iyakuthi isinike impendulo ekhawulezayo kwimizimba yazo. Oku kungenziwa ngokuthi siziqhelanise, samkele isondlo esilandela ukugonywa nokuphucula ulawulo kwifama zethu.



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