



National Agricultural Research Institute

Givim Gutpela Kaikai long Ples Kakaruk

Copies of this leaflet can be obtained from:
The Livestock Information Centre
National Agricultural Research Institute
Livestock Research Programme - Labu
PO Box 1639
LAE 411
Morobe Province
Telephone: (675) 475 1066/475 1248
Facsimile: (675) 475 1248
Email: narils@nari.org.pg



NARI TOKTOK SERIES

LAB011 (P)

Disemba 2005

Luksave

Dispela Ekstensin Buk i bin kamap olsem hap wok bilong Agrikalsa Ekstensin aninit long dispela projek Agrikalsa Innovesin Grent Fasiliti (AIGF) 1006 – Testim na Givim Aut Save na Pasin bilong Kamapim gut ples poltri insait long Papua Niugini (PNG).

NARI laifstok progrem i laik kisim dispela taim long tok tenkiu igo long Leka Stanley na Martin Lobao long wok bilong kamapim dispela buk. Leka Stanley i bin tanim dispela tok-tok igo long tok pisin. Leka Stanley i bin tanim igo long tok pisin.

- Ol nambawan rot tru bilong redim kaikai bilong kakaruk na givim ol kakaruk em olsem:

- Draim mes—ol kumu o lip na bun bilong abus em i gutpela sapos yu draim long san na meimeim igo liklik inap long kakaruk long kaikaim.

- Krambols—ol kaikai olsem kon, rais soya bin o bin bilong gaden em i gutpela long miksim na wokim krambols taim yu usim mit minsa (meat mincer).

- Dispela tupela rot bilong redim kaikai bai helpim bel bilong kakaruk iken brukim na kisim gut gris bilong kaikai na dispela bai helpim long kamapim planti mit na kiau.
- Tingim gut taim yu givim dispela kaikai yumi stori pinis long en. Long olgeta apinun taim ol kakaruk ikam bek long haus slip na long olgeta moning taim yu opim dua bilong haus slip bai igat bikpela senis. Dispela bai helpim kakaruk kamapim planti mit na kiau na tu bai ol kakaruk bai istap helti olgeta taim.

Gutpela kaikai bilong ples kakaruk

- Long planti hap long ples pasin bilong lukautim kakaruk em olsem, ol manmeri save larim ol kakaruk i raun long laik bilong ol yet na ol kakaruk save hat wok long painim kaikai bilong ol yet na save slip antap long han bilong diwai long nait.

- Ol kakaruk save wok hat tru long painim kaikai long dei, tasol dispela ol kaikai ino inapim laik bilong bodi long wanpela dei. Kaikai ol i painim em ino inap long bel na gris bilong kaikai ino inapim laik bilong bodi bilong kakaruk long wanpela dei.

- Na tu ol kakaruk i ken bungim birua olsem dok o snek na bikpela pisin o stilman ken kilim na tu long taim bikpela ren na win ol i ken kisim bagarap. Long dispela rot ino gat planti kakaruk na kiau bilong kaikai.

- Tasol yumi mas save olsem ol kakaruk i ken kamapim planti mit na kiau sapos igat inap gutpela kaikai, wara, haus na pasin bilong lukautim (menesment).

- Givim planti gutpela kaikai olgeta dei (moning na apinun), dispela i ken helpim kakaruk long soim strong bilong kamapim planti mit na kiau.

I gat tripela grup ol kaikai i stap aninit long ol:

- Ples kakaruk i mas kaikaim tripela bilong ol dispela kaikai i kam aninit long dispela tripela grup long taim ol i kisim kaikai long olgeta dei bai helpim ol i kamapim planti mit na kiau.
- Long dispela tripela grup, wanpela grup em i save givim strong long bodi. Narapela save helpim kakaruk long gro na laspela grup em i save banisim kakaruk long abrusim sik na sua.
- Kakaruk i mas kakaim ol kaikai i kam long ol dispela tripela grup. Nem bilong ol dispela tripela grup em:
 - a) Enezi kaikai grup—em ol kaikai bilong givim strong long bodi
 - b) Protin kaikai grup—em ol kaikai bilong groim bodi
 - c) Protektif kaikai grup—em ol kaikai bilong banisim bodi long sik na sua.

Tok piksa 1—Sapos yu laik givim kaikai long ol bebi kakaruk istap namel long dei old na 6-pela wik, kaikai bilong ol i mas wanpela ful plastik kon (memeim pastaim inap liklik sais bai inap long kakaruk i kaikaim) miksim wantaim wanpela ful plastik snek bin sid (boilim na memeim na draim long san pastaim) bai kamap olsem kaikai bilong ol liklik kakaruk.

Tok piksa 2—Wantaim ol yangpela (grower) meri kakaruk kaikai bilong miksim em olsem 9-pela plastik (memeim pastaim) na 1-pela plastik snek bin sid inap long givim balens kaikai bilong yangpela meri kakaruk.

- Wantaim protektif kaikai yumi ken givim nau papaya (pawpaw) na sampela lip (kumu) na sampela bun bilong abus yu memeim bai gutpela moa.

Givim kaikai long kakaruk bihainim krismas bilong ol

- Long hia bai yumi usim plastik bilong 500 grem ruts rais long skelim enezi na protin kaikai. Tingim gut, taim yu laik miksik ol tripela kain kaikai i gutpela yu memeim ol kaikai na draim long san pastaim bai isi long miksik wankain tasol long ol bin yu mas boylim pastaim na meimim.
- Taim yu miksik ol kaikai yu mas bihainim tebol namba 3 istap aninit.

Tebol namba 3

Krismas	Protein Kaikai	Enezi Kaikai	Protektif
Bebi kakaruk (0-6wik)	50-pela hap	50-pela hap	Mekim gutpela miks bilong kaikai olsem papaya, kumu (lip) na meim gut bun bilong abus o sel tu
Yangpela meri kakaruk	10-pela hap	90-pela hap	
Yangpela man kakaruk	30-pela hap	70-pela hap	
Layers	20-pela hap	80-pela hap	

- Sampela kaikai i stap aninit long grup bilong enezi em kon, rais, kaukau, tapiok, banana, sains taro, yam na taro.
- Ol kaikai ikam aninit long grup bilong protin or groim bodi em ol gaden bean, peanut, pis, binatang, na snek bilong graun (earth worm) or snek isave kamap long dai abus (maggots) o kopra mil (pipia bilong kopra) na pis na tu ol arapela abus em ol protin kaikai.
- Ol protektif kaikai em ol kumu bilong gaden na ol prut bilong diwai olsem papaya (pawpaw), banana mau na lip bilong ol diwai olsem diwai bilong vanilla, lamantro, na ol lip bilong gaden kaikai tu.

- Ol arapela kain kaikai bai yumi ken luk-luk long ol tu em bun bilong ol abus, sel bilong solwara, or kiau, yu memeim igo kamap liklik tru bai isi long kakaruk i kaikaim. Ol dispela kain kaikai save givim minerol bilong banisim bodi long sik na helpim ol kamap strong.

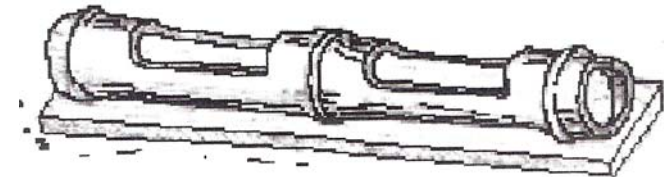
Miksim ol triple kain kaikai long kamapim wanpela kain kaikai tasol.

- Miks kaikai i mas igat enezi kaikai, protin kaikai, na kaikai bilong banisim sik (protektif).
- Ples kakaruk ino save laikim kaikai i strong na traipel sais bilong em. I gutpela long brukim ol bikpela sais kaikai igo kamap liklik sais na malumalum liklik bai ol kakaruk i ken kaikai na bel i ken isi long brukim na kisim gris bilong kaikai.
- Bilong mekim dispela miks i kamap wanpela kain kaikai bilong kakaruk tasol, em i gutpela long usim tongtong o mit minsa (Meat Mincer) masin.

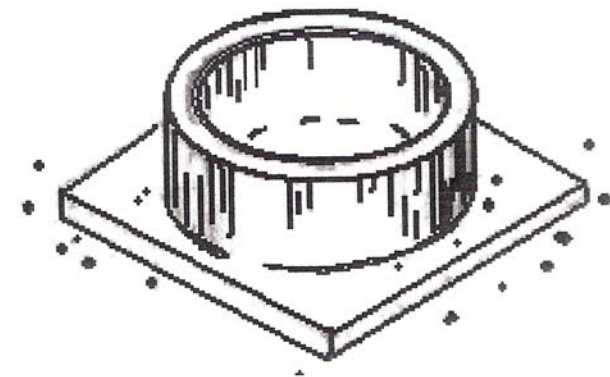
- Sampela ol samting yu inap long mekim plet kaikai bilong kakaruk em ol kain samting olsem:
- Kokonat sel, Mambu

Wokim plet long hap namel bilong diwai Usim bruk or pipia sospen, plet, na baket.

Mambu



Sapim Diwai



*Nau tingim wanem enezi kaikai istap klostu, ating kaukau orait pulamapim 30-pela hap kaukau long plastik inap olsem hap plastik ful. Nau yumi gat tenpela handred (1000) grem nau yu ken miksim gut na givim long kakaruk. Sapos yu gat minsa orait putim long minsa na miksim gen. Nau yu gat **balens kaikai** inap long kakaruk bilong yu long kaikai. Tasol tingim em ino inap yu mas wokim planti na abrusim tenpela handred (1000) grem bai inapim olgeta kakaruk bilong yu.*

Ol kainkain rot bilong givim kaikai long kakaruk

- Taim yu givim ol pipia bilong haus kuk olsem kaikai bilong kakaruk, yu mas lukaut long sampela pipia iken kamapim poisin long kaikai.
- Noken givim kaikai i das tru olsem pauda o wet na paspas olsem kuk rais, dispela iken kamapim hevi long nus o maus bilong kakaruk na bihain dispela iken mekim ol kakaruk i les long kaikai dispela kain kaiakai.
- Kaikai plet mas olgeta taim istap insait long haus kakaruk

- Rot bilong bihainim em olsem:

Bungim sampela drai kon, sampela kuk o boil soya bin na sampela lip (fres kumu) na tu sampela bun o sel bilong abus, memeim pinis long en, nau putim olgeta igo insait long minsa masin na tanim o tongtong na sutim. Dispela rot bai miksim olgeta kaikai na bai kam aut olsem wanpela kain kaikai tasol. Nau em yumi tok balens kaikai.

Enezi (Carbohydrates) kaikai

- Enezi kaikai i save mekim kakaruk bilong yu kamap strong na smat tru (helti)
- Ol sampela kaikai bilong gaden yu ken usim long mekim tenpela handred (1000) grem balens kaikai bilong kakaruk istap long tebol namba 1.

Tebol 1

Enezi kaikai	Hamas namba bilong enezi kaikai bai yu bungim long kamapim 1000 grem balens kaikai
Sogham (sorghum)	60-pela hap
Saksak	50-pela hap
Kon (memeim pastaim)	60-pela hap
Kaukau (katim liklik na draim long san)	30-pela hap
Kokonas—sigirapim	30-pela hap
Kopra mil	30-pela hap
Rais bren (pipia bilong rais)	10-pela hap

Tingim gut hap kaikai bai ikam long protin na protektif kaikai long kamapim tenpela handred (1000) grem olgeta bilong kamapim balens kaikai.

Protin kaikai em ol kaikai bilong groim bodi

- Ol protin kaikai em i gutpela bilong mekim kakaruk bilong yu kamapim planti mit na putim planti kiau na mekim ol istap strong na helti tu.

- Sampela protin kaikai bilong gaden bai inap long bungim wantaim hap bilong enezi long kamapim tenpela handred (1000) grem balens kaikai long givim long kakaruk bilong yu. Yu ken lukim long tebol namba 2-istap daunbilo.

Tebol 2

Protin kaikai	Hamas namba bilong protin kaikai bai yu bungim wantaim enezi kaikai long kamapim 1000 grem balens kaikai
Kopra mil	30-pela hap
Soya bin (boilim)	20-pela ha
Pipia bilong abus (smokim)	15-pela hap
Snek bilong graun (earth worm)	10-pela hap
Pis mil (memeim drai pis)	10-pela hap
Lip bilong ol bin (leaf meal)	10-pela hap

Tingim gut sapos yu pulamapim 50-pela hap kon olsem enezi kaikai long plastik bilong 500 grem ruts rais em i mas 1-pela plastik ful orait yu kapsaitim igo long dis samting na bihain pulamapim 20-pela hap soya bin (boilim pastaim) olsem protin na bai inap olsem klostu hap fu platik na kapsaitim long dis orait nau yumi kamapim olsem 7-pela handred (700) grem ikamap pinis, bai yumi mas kamapim narapela 3-pela handred (300) grem long kamapim tenpela handred (1000) grem.