

EXOTIC BREEDS OF DAIRY CATTLE



BIPA RAKUGIJAGIPA MATCHU BIMA

BIPA RA.ATANI BA ARTIFICIAL INSEMINATION KA.ANI SOMOIARA KANTA 7-8 BIPA RA.NA SKANI SOMOIKO MESOKCHENGANIO DAKNA NANGA



Illustrated Manual for
Dairy Farmers
of Meghalaya
Garo Version



Come partner with us

JERSEY

Dingtang Dingtang rong donga (light gray-oni a.mang rongona donga)

MEDIUM SIZED

Gipin matchurangna bate dutko bangbate on.a



HOLSTEIN FRIESIAN

Gisim aro Gipok Ba Gitchak aro Gipok rong

Dalgipa Jat onga

Dut bange on.a



INDIANI MATCHU JATRANG

SAHIWAL

Punjab, Haryana, UP, Delhi, Bihar aro Madhya Pradesh biaprang man.a
Songo dut man.an: 1350 kg : 2100 kg

Skanggipa Changna Bi.sa Duchengani somoi: 32-36 Jarangona.
Skanggipa Bi.sa Duaoni Gnigipa Bi.sa Duaona salrang : 15 jarang



CROSS BREEDING PROGRAMME

Cross-breed
matchu
bangbate dutko
on.a



Cross-breed
matchu je biap-
oba tangna gita
man.a, ding.a
chakna man.a
aro sabisiko
chelchakna gita
man.a.



MATCHU NOLKO RIKNA BIAPKO BASEANI



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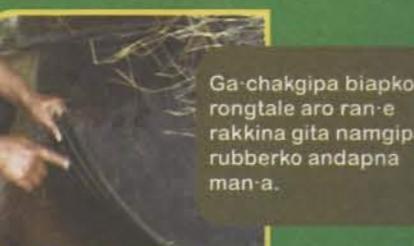
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MATCHU NOLKO SONGO MAN·A AMGIPA BOSTURANGCHI RIKANI



Matchuni ga-chakgipa
biap cement-chi
tarigipa ong-na nanga
aro uko rinoke tarina
nanga.



Ga-chakgipa biapko
rongtale aro ran-e
rakkina gita namgipa
rubberko andapna
man-a.

Wilwilao nalarangko tarina nanga

BISA OK-O DONGMITINGO MATCHUNA BANGBATE CHA.ANICO ON.ANI

Composition of concentrate mixture :

Maize	: 25%
GNC	: 30%
Wheat bran	: 42%
Min Mix	: 2%
Salt	: 1%
Hay	: 3kg/100 kg body weight for maintenance. (LOW FAT % DUE TO LOW FIBRE DIET)
Concentrate	: 1 kg/3kg milk produced.

Milk Fever saaniko champengna mineral Mixture aro calcium supplementrangko kari baksa on-chapna nanga.



Productivity of Animals



NAMEDAKE DUT ON·GIPA MATCHUKO BASEANI

A-bachengaoni chang bongagipaona bi-sako duon matchu bangbate dutko on.a. Ua somoini gisepon skangipa ba gnigipa bi-sako duon bangbate dut on-gipa matchu ko basena nanga indiba bi-sa duani jasani ja-mansa basena nanga.

Matchu bima mikmalgipa aro je mandenaba dut sepn on-gipa ong-na nanga

Atchiaoni sal 90-ni ja-man dut bange man-bataniko nikna gita man-a.



PAL RA·ATNA JAKALGIPA MATCHU BIPA

Matchu bipani richi rongprakprak dake niksenge dingdegipa ong-na nanga



MATCHU SOKNI AN·SENG BALJOKANI

Matchu sok: Matchu sok kraagita dalna nanga je dakode chu-onga gita dutko tarina aro ra-chakna man-gen. Sok rona, apalna aro ningtuna gita nanga jean uni

Matchuni sok jangilchipak chuna aro apalna gita nanga

Mingipin nanganirangara matchu sok kuteni biap, matchu sokni ja-dilni dal-an: aro niksengani aro dut jokchakani kolni bangani aro dal-an: ong-a.



SALPRAK PRAKO MATCHU BI-SANI BE-ENI JRIDAPANI



0-3 Ja 0-3 Bnai-1 Snem

Holstein cross	320	500-550
Jersey cross	320	450-500

Matchu dutko sepana skang matchu bi-sako sambaona rimbae bangija somoirangna dutko ringatna gita nanga.

DINGTANG
DINGTANG
ROKOM
DUTRANGNI
STANDARD RANG



MILK COLLECTION CENTRE

	KHLEIN (%)	BYMDEI KHLEIN (%)
STANDARDISED MILK	4.5	8.5
TONED MILK	3.0	8.5
DOUBLE TONED MILK	1.5	9
RECOMBINED MILK	3.0	8.5

Sinkario FAT aro SNF percentage baria aro dingkario komia. antiprako 500 ml mustardni to-ko cha-anai baska on-chapanichi Fat% ko bariata.

JENGKO ALANI



Cha-aniko bariata aro dutni FAT percentageko bariata

Tangsekkipa jengko manjani somoirango jakalna man-a Me-raku panggimiko matchuna on-a man-a.

MEGAPKO NAMEDAKE TARIE DONANI



Chi nangjana gita aro meserang nosto ka-jana gita jengko ba me-gapko chuaogate ba tarie dona nanga.

TANGSEKGIP A JENGKO GE-ANI



Bangbate lapko man-a gita tangsekkipa jengrangko ge-na nanga.

Tangsekkipa jengrangko on-anichi SNF ko bariata



DUT SEPANI BEWALRANG: JAKCHI SEPANI



Matchu dutko sepana skang vaselineko matchuni sok kuteo nongna nanga jedakode dut sepmitingo mata buaniko champenggen.

Mata buako champengna jak-gimikchi dutko sepana nanga. Dut seppipa mande jaksiklo name dake ratna nanga. Dut sepana skang matchu sok-ko name dake chi rongtalachi su-srangna gita nanga.



ME-CHIKRANGNI BAKRIMPA-ANI

Umlynka centre-o dutko ra-chimongeng a.

Mitimni percentko toaniko daka Dutko ra-chakna steel ba aluminiumni me-diko jakala

Chilling centre-on a dutko ra-ange uko palna taria.



JENGKO GE-NA GITA MATCHUNI A-SALKO JAKALNA MAN-A



MATCHUNI SABISIRANG

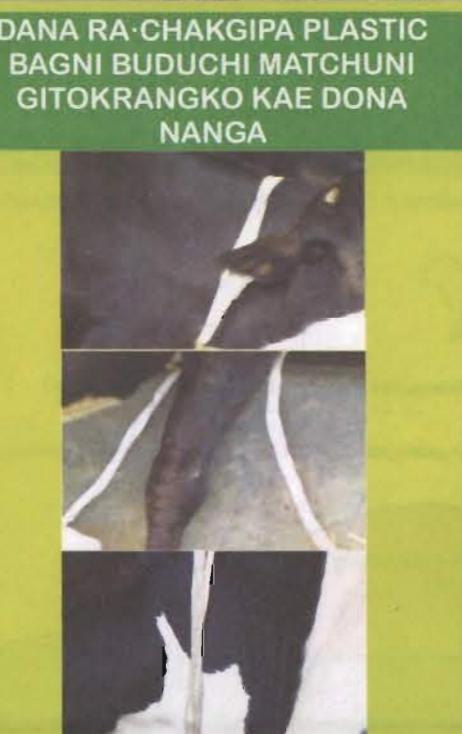
KYRTENG	JINGPANG	JINGIADA/SUMAR
BACTERIAL	HS & BQ	Da kaba ni tika
VIRAL	FMD	Da kaba ai tika
METABOLIC	MILK FEVER	
KETOSIS		
DOWNER COW SYNDROME		Da kaba ai bam bad sumar bha ha ka por pun.
SUB-CLINICAL		
		Mastitis

Vaccination Provided Free By A. H. & Veterinary Dept.

DUT SEPANI MACHINE

Banga matchurangko bangija somoio dut sepana altua.

Jakchi dangtapaniko manjani a-sel matchuni dut mitchitaniko champengna gita man-a.



Banga matchurangko bangija somoio dut sepana altua.

Matchu dutko sepana ja-man matchu Bi-sako dongrikengipa dutrangko bon-atna gita ringna on-a.

Matchu bi-sa be-eni an-senganiko man-a aro dalninga.



RONGTALGIPA DUTKO TARIANI



Dutko ra-chakgipa me-dik rongtalna gita nanga aro bara rongtalachi dutko chekna nanga.



Dut sepana ja-man dut ra-chakgipako detergentchi su-srange uko rame ran-ate donna nanga.



Dut ra-chakna rongtalgipa me-dikosa jakalna nanga.

MILKING MACHINEKO RONGTALATANI



Milking machineko detergentko jakale chi rongtalachi bakan su-srangna nanga.

SUB-CLINICAL MASTITIS

Bi-sa bange ba-gipa matchuo bata. ki-sangipa matchuni soko ongrongbata jean su-bu ro ki-i-rang ma-bakronga. Dut bange on-gipa aro cross-bred matchurang Zebu ba-local matchurangna bate saa-niko man-rongbata.

Sabisiko gimaatna gita Dry Cow Therapy-ko ka-na nanga.



SABISI

Milk fever



MANGSONGIPA CHINRANG

Matchu chadengna gita man-jawa. Dut bang-e on-gipa matchu sana gita altubata. Bi-sa duani kanta 48 ni ja-man ong-rongbata, indioba duani adita anti skang ba ja-manba ong-na gita ama.

Treatment : Parental calcium injection

Ia sabisian dut bang-e on-gipa matchuo, bi-sa duani ja-man ong-rongbata.

Ketosis

25% rangni gita dut man-an komia aro SNF ban komia.

Dextrose injection aro corticosteroids-ko on-a gita nangen.

Downer Cow Syndrome

Milk Fever saako namatjaheade ia sabisiona ra.angskaa. Milk Fever saako namatjaheade ia sabisiona ra.angskaa.

Multi Electrolyte injectionko su-na gita nanga

VACCINATION SCHEDULE

DISEASE	DOSE	REMARK
HS	5 ml S/C	Wachi karina skang on-a gita nanga. Dambe gipa matchuna ja-6 on-a gita nanga.
BQ	5 ml S/C	Bilsiana sabisiko champengna gita man-a
FMD (Rasha FMD)	3 ml S/C	Primary Vaccination: Ja-4 on-a gita nanga. Booster: Anti 2-4 ja-man on-a gita nanga. Re-vaccination: Ja 6 prak on-a gita nanga.
Rasha ovac	2 ml I/M	Ja 4 on-a gita nanga. Re-vaccination: Ja 9 prak on-a gita nanga.