

PROSPECTUS

BRAHMAN CROSS (BX)

CATTLE BREEDING BUSINESS:

USING CUT AND CARRY MODEL

50 PREGNANT HEIFERS

10-YEARS PROJECTION

Indonesia-Australia Commercial Cattle Breeding Program	Indonesia-Australia	Commercial	Cattle	Breeding	Program
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BRAHMAN CROSS (BX)
CATTLE BREEDING BUSINESS:
CUT AND CARRY MODEL
50 PREGNANT HEIFERS
10-YEAR PROJECTION

To start a Brahman Cross (BX) cattle breeding business using the cut-and-carry model with a herd of 50 pregnant heifers and 3 bulls will require an initial investment of IDR 1,239,500,000. The business is projected to be cash flow positive in the third year. Calves are raised until two years old. During the first three years of operation, the business will have additional capital expenditure of IDR 211,000,000 and additional operational expenditure of IDR 1,166,926,500. Total capital needed before achieving cash-flow positive condition amounts to IDR 2,015,362,240. Considering the terminal value of herd closing stock, the Return on Investment is projected to be 80.35% in year 10 with a cumulative cash surplus of IDR 995,919,206.

1. Summary of Investment

Business Development	Economic Calculation
Duration of operation 10 (ten) years	Initial capital investment required IDR 1,239,500,000
Herd size	, , ,
• 50 (fifty) cows	Maximum investment before cash flow positive amounts
• 3 (three) bulls	to IDR 2,015,362,240 (includes investment and operational costs)
Cut-and-carry breeding model with natural mating	·
system	Positive cash flow in year 3
Potentially selling 322 head of progeny age 2 (two)	Cumulative surplus cash flow in year 10
years old with approximate live weight 369kg	IDR 995,919,206
	Including the terminal value of herd closing stock, ROI (Return on Investment) will reach 80.35%

This prospectus provides a financial summary for a smallholder breedlot using a cut-and carry cattle breeding production system. The prospectus uses the best-case scenario as experienced by an Indonesia-Australia Commercial Cattle Breeding Program (IACCBP) partner smallholder breedlot and the costings and assumptions are based on applied research conducted by IACCBP between 2016 and 2020. It assumes that cattle will be managed professionally and with a commercial approach to production. Although great results can be achieved many risks remain rearing Brahman Cross cattle at smallholder level. Additional information on commercial cattle breeding in Indonesia is available on www.iaccbp.org and https://redmeatcattlepartnership.org.



2. Initial Capital Investment Required

No	Category	Unit	No of Units	Price	Total
1	Cattle Purchase: Breeding female Breeding bull	head head	50 3	IDR 21,000,000 IDR 22,500,000	IDR 1,050,000,000 IDR 67,500,000
2	Breeding Centre: Cows and Calves Pens Forage and concentrate storage	m^2 m^2	375 25	IDR 200,000 IDR 200,000	IDR 75,000,000 IDR 5,000,000
3	Vehicle Three-wheeler	unit	1	IDR 18,000,000	IDR 18,000,000
4	Equipment Cattle crush, digital scale etc Pen utilities installation (water, electricity etc) Other equipment	set set	1 1	IDR 17,500,000 IDR 1,500,000 IDR 5,000,000	IDR 17,500,000 IDR 1,500,000 IDR 5,000,000
	TOTAL				IDR 1,239,500,000

The initial capital investment¹ required is IDR 1.239 billion with the following details²:

- 50 (fifty) pregnant heifers in their 6 months gestation period and weight around 420 kg
- 3 (three) 450 kg bulls
- Cost for pens, 375 m² x IDR 200,000/m², including 6m² main pen/head for cows, handling/calving pen, and loading/unloading ramp.
- Feed storage cost, 25m² x IDR 200,000/m²
- Buying 1 (one) unit of local brand three-wheeler for transporting feed and manure and other purposes
- Buying 1 (one) set of equipment and supplies including locally made cattle crush, digital scale, buckets, shovels and other equipment as well as electricity/water or well installations.

¹ The initial investment value may vary depending on cattle purchasing price, type of infrastructure materials or quality of equipment. It does not include land purchase/rental cost for pens

² Infrastructure depreciation (breeding centre, vehicle and equipment) is 10 years, using the straightline method

3. Annual Operational Costs

No	Category	Unit	No of Units	Unit Cost	Total
1	Direct Cost Animal Health package	month	12	IDR 500,000	IDR 6,000,000
2	Fixed Operational Costs				
	Labour	persons for 12 months	2	IDR 2,000,000	IDR 48,000,000
	Pens repair and maintenance	month	12	IDR 200,000	IDR 2,400,000
	Cattle yard/pen utilities (electricity, water)	month	12	IDR 50,000	IDR 600,000
	Office utilities (electricity, water)	month	12	IDR 50,000	IDR 600,000
	Administration, communication, marketing	month	12	IDR 50,000	IDR 600,000
	Vehicle operations	month	12	IDR 200,000	IDR 2,400,000
	Other/month	month	12	IDR 100,000	IDR 1,200,000

- Estimated operational costs³ during the first year is IDR 61.8 million with an assumption of 3% yearly increase
- Annual operational costs comprised of:
 - o Animal health cost: veterinary medicines and services
 - o Labour cost of 2 stockmen
 - Overhead cost for pens repair/maintenance, pen utilities, administration, communication, vehicle operations and other costs

³ The estimated operational cost may vary depending on animal health costs, number of workers during the initial stage, workers' wages and overhead costs components.

4. Daily Operational Cost

No	Category	Unit	No of Units	Unit Cost	Total
	Feed and Supplement				
1	Feed (intake) of Cows Fresh forage Fresh concentrate Mineral supplement	kg/head/day kg/head/day kg/head/day	40.0 2.5 0.15	IDR 1,900	IDR 6,000 IDR 4,750 IDR 600
2	Feed (intake) of calves Fresh forage Fresh concentrate Mineral supplement	kg/head/day kg/head/day kg/head/day	22.4 1.4 0.10	IDR 150 IDR 1,900 IDR 4,000	IDR 3,400 IDR 2,700 IDR 400

Daily operational costs include feed cost⁴ for cows and calves, which consists of forage, concentrate and mineral supplementation⁵. See the details below:

- Average feed cost of cows is IDR 11,350/head/day.⁶
- Average feed cost of calves after weaning is IDR 6,500/head/day.
- Fresh forage cost IDR 150/kg (IDR 667/kg DM) is an estimation of average production cost.⁸
- It is assumed that feed cots will increase by 0.5% every year.
- Land: 10-14 ha of land will be required to meet forage production.⁹

⁴ Feed cost may vary depending on the feed composition, percentage of feed material required, percentage of dry matter in the commodities used, and feed materials price.

⁵ Mineral supplementation comprised of DCP (Dicalcium Phosphate or dicalcium phosphate), ZA (zwavelzure ammoniac or ammonium sulphur) and salt.

⁶ See more details in Annex 1. Feed Composition and Daily Need of cows. Feed commodities composition depends on the availability in each region. Changes in feed composition will affect cows body weight

⁷ See Annex 2. Feed Composition and Daily Need of Calves. Feed commodities' composition depends on the availability in each region. Variation in feed composition will affect calves body weight

⁸ See Annex 3. Estimated Forage Production

⁹ See Annex 4. Estimated Feed and Land Annual Requirement

5. Breeding Process Simulation

Period	Pre-business	Year 1	Year 2	Year 3	Year 4	Year 5
Month 1			THE		Weaning III	THE THE
Month 2					BBP	- Live
Month 3	manuscript, %	Calving		Sale I	Gestation IV	- 1
Month 4						Weaning IV
Month 5	No. of Lot, House, etc., in such such such such such such such such					
Month 6	Gestation I		Calving II	1 1	Sale II	Gestation V
Month 7		Weaning I				
Month 8			1111		The state of the s	
Month 9	2277	Gestation II	my (Calving III		Sale III
Month 10	Per 19 (1) 13		Weaning II	A.		The state of the s
Month 11	有什么	119	10			Marian
Month 12	257		Gestation III		Calving IV	

Period	Year 6	Year 7	Year 8	Year 9	Year 10
Month 1		A 700	M I I I	Weaning VII	XI TAYLOR
Month 2	13 5-7-77	7			
Month 3	Calving V	Mari	Sale V	Gestation VI	
Month 4	Marie Committee	JAN STEEL ST.			Weaning VIII
Month 5	-4-5				
Month 6	34. 27	Calving VI	88		
Month 7	Weaning V		37		3761
Month 8		· Marie	197		1 19H
Month 9	Gestation VI	The state of the s	Calving VII		Sale VI
Month 10	Mary "	Weaning VI			BILL VI
Month 11	LATER	1000	5-49	X /	111/1/1
Month 12	Sale IV	Gestation VI		Calving VIII	

- Cows are purchased when they are 6 (six) months pregnant
- Calves are weaned at 4 (four) months old resulting in calves of 100 kg
- Calving interval between first and second calving is 15 (fifteen) months, hence no calving occurred in year 5 and 10
- Within 6 (six) months after the first calf and onwards, empty cows will be sold and immediately replaced with pregnant cows, to maintain 50 productive cows.
- All progeny will be sold at 24 (twenty-four) months old

6. Projected Stock

	Year 1	Year 2	Year 3	Year 4	Year 5
Opening Stock					
Cows	50 hd				
Bulls	3 hd				
Female progeny	0 hd	23 hd	46 hd	46 hd	46 hd
Male progeny	0 hd	23 hd	46 hd	46 hd	46 hd
Total Opening Stock	53 hd	99 hd	145 hd	145 hd	145 hd
Female and Male Calves born	50 hd	50 hd	50 hd	50 hd	0 hd
remaie and Male Calves born	30 iiu	30 Hu	30 Hu	30 110	o na
Female and Male Calves deaths	4 hd	4 hd	4 hd	4 hd	0 hd
Replacement					
Pregnant cow	5 hd	5 hd	0 hd	5 hd	5 hd
Bull	0 hd				
Total replacement	5 hd	5 hd	0 hd	5 hd	5 hd
Cattle sold					
Female progeny	0 hd	0 hd	23 hd	23 hd	23 hd
Male progeny	0 hd	0 hd	23 hd	23 hd	23 hd
Culled cow	5 hd	5 hd	0 hd	5 hd	5 hd
Culled bull	0 hd				
Total Cattle Sale	5 hd	5 hd	46 hd	51 hd	51 hd
Closing Stock	501.1			501.1	
Cows	50 hd				
Bulls	3 hd				
Female progeny	23 hd	46 hd	46 hd	46 hd	23 hd
Male progeny	23 hd	46 hd	46 hd	46 hd	23 hd
Total Closing Stock	99 hd	145 hd	145 hd	145 hd	99 hd

	Year 6	Year 7	Year 8	Year 9	Year 10
Opening Stock					
Cows	50 hd	50 hd	50 hd	50 hd	50 hd
Bulls	3 hd	3 hd	3 hd	3 hd	3 hd
Female progeny	23 hd	23 hd	46 hd	46 hd	46 hd
Male progeny	23 hd	23 hd	46 hd	46 hd	46 hd
Total Opening Stock	99 hd	99 hd	145 hd	145 hd	145 hd
Female and Male Calves born	50 hd	50 hd	50 hd	50 hd	0 hd
Female and Male Calves deaths	4 hd	4 hd	4 hd	4 hd	0 hd
Replacement					
Pregnant cow	5 hd	5 hd	0 hd	5 hd	5 hd
Bull	3 hd	0 hd	0 hd	0 hd	0 hd
Total replacement	8 hd	5 hd	0 hd	5 hd	5 hd
Cattle sold					
Female progeny	23 hd	0 hd	23 hd	23 hd	23 hd
Male progeny	23 hd	0 hd	23 hd	23 hd	23 hd
Culled cow Culled bull	5 hd	5 hd	0 hd	5 hd	5 hd
Total Cattle Sale	3 hd 54 hd	0 hd 5 hd	0 hd 46 hd	0 hd 51 hd	0 hd 51 hd
Total Cattle Sale	54 na	5 Na	46 NG	51 NG	51 NG
Closing Stock					
Cows	50 hd	50 hd	50 hd	50 hd	50 hd
Bulls	3 hd	3 hd	3 hd	3 hd	3 hd
Female progeny	23 hd	46 hd	46 hd	46 hd	23 hd
Male progeny	23 hd	46 hd	46 hd	46 hd	23 hd
Total Closing Stock	99 hd	145 hd	145 hd	145 hd	99 hd

- All cows will produce total 50 (twenty) calves per year. The progeny is assumed to be 50% (fifty percent) male and 50% (fifty percent) female.
- Assumed mortality rate of all calves born per year is 4 (two) head, 2 male and 2 female calves.
- Progeny are sold at 24 (twenty-four) months old and sales begin in the 3rd year.
- The bull is assumed to be unproductive by year 6. By the time, the culled bull can be sold and immediately replaced with a new productive bull.
- Total cattle sales within ten years will be 322 head (three hundred and twenty-two) of progeny with an average weight of 369 kg¹⁰, 40 (forty) culled cows with average weight of 450 kg and 3 (three) culled bull of approximately 500 kg live weight.
- Closing stock in year 10 will be 99 (ninety-nine) head.

¹⁰ Estimated ADG (Average Daily Gain) of cattle after weaning from 4-24 months old is 0.44 kg. The cattle are sold at 24 months old weight 369 kg. See more details in Annex 2.B. Estimated Feed and Weights in each Growth Phase

7. Cash Flow Projection

	Initial Investment	Year 1	Year 2	Year 3	Year 4	Year 5
Cattle Sales						
Female progeny				23 hd	23 hd	23 hd
Male progeny				23 hd	23 hd	23 hd
Culled cow and bull		5 hd	5 hd		5 hd	5 hd
CASH IN						
Cattle sales		IDR 87,750,000	IDR 88,200,000	IDR 723,111,996	IDR 817,304,334	IDR 822,846,672
Cattle terminal value in year 5						
Sub-total Cash In		IDR 87,750,000	IDR 88,200,000	IDR 723,111,996	IDR 817,304,334	IDR 2,331,464,544
Deducted by						
CAPITAL EXPENDITURE						
New cattle purchase	IDR 1,117,500,000	IDR 105,000,000	IDR 106,000,000		IDR 108,000,000	IDR 109,000,000
Infrastructure/Asset Recondition	IDR 122,000,000					
Sub-total Capital Expenditure	IDR 1,239,500,000	IDR 105,000,000	IDR 106,000,000		IDR 108,000,000	IDR 109,000,000
CASH OUT						
Direct Costs						
Feed and Supplement		IDR 265,764,800	IDR 349,593,440	IDR 360,550,260	IDR 380,837,030	IDR 382,716,440
Cattle health costs		IDR 6,000,000	IDR 6,180,000	IDR 6,365,000	IDR 6,556,000	IDR 6,753,000
Fixed Cost Operational Costs		IDR 55,800,000	IDR 57,474,000	IDR 59,199,000	IDR 60,974,000	IDR 62,805,000
Subtotal Cash Out		IDR 327,564,800	IDR 413,247,440	IDR 426,114,260	IDR 448,367,030	IDR 452,274,440
CASH SURPLUS (DEFICIT)	(IDR 1,239,500,000)	(IDR 344,814,800)	(IDR 431,047,440)	IDR 296,997,736	IDR 260,937,304	IDR 261,572,232
Cumulative Cash flow	(IDR 1,239,500,000)	(IDR 1,584,314,800)	(IDR 2,015,362,240)	(IDR 1,718,364,504)	(IDR 1,457,427,200)	(IDR 1,195,854,968)

	Year 6	Year 7	Year 8	Year 9	Year 10	Cumulative 10 Yrs
Cattle Sales						
Female progeny	23 hd		23 hd	23 hd	23 hd	161 hd
Male progeny	23 hd		23 hd	23 hd	23 hd	161 hd
Culled cow and bull	8 hd	5 hd		5 hd	5 hd	43 hd
CASH IN						
Cattle sales	IDR 890,489,010	IDR 90,450,000	IDR 748,573,686	IDR 845,466,024	IDR 851,233,362	IDR 5,965,425,084
Cattle terminal value in year 5					IDR 1,559,266,062	IDR 1,559,266,062
Sub-total Cash In	IDR 890,489,010	IDR 90,450,000	IDR 748,573,686	IDR 845,466,024	IDR 2,410,499,424	IDR 7,524,691,146
Deducted by						
CAPITAL EXPENDITURE						
New cattle purchase	IDR 180,500,000	IDR 111,000,000		IDR 113,000,000	IDR 114,000,000	IDR 946,500,000
Infrastructure/Asset Recondition						
Sub-total Capital Expenditure	IDR 180,500,000	IDR 111,000,000		IDR 113,000,000	IDR 114,000,000	IDR 946,500,000
CASH OUT						
Direct Costs						
Feed and Supplement	IDR 384,595,850	IDR 358,359,140	IDR 369,526,410	IDR 390,234,080	IDR 392,113,490	IDR 3,634,290,940
Cattle health costs	IDR 6,956,000	IDR 7,165,000	IDR 7,380,000	IDR 7,601,000	IDR 7,829,000	IDR 68,785,000
Fixed Cost Operational Costs	IDR 64,689,000	IDR 66,629,000	IDR 68,629,000	IDR 70,688,000	IDR 72,809,000	IDR 639,696,000
Subtotal Cash Out	IDR 456,240,850	IDR 432,153,140	IDR 445,535,410	IDR 468,523,080	IDR 472,751,490	IDR 4,342,771,940
CASH SURPLUS (DEFICIT)	IDR 253,748,160	(IDR 452,703,140)	IDR 303,038,276	IDR 263,942,944	IDR 1,823,747,934	IDR 995,919,206
Cumulative Cash flow	(IDR 942,106,808)	(IDR 1,394,809,948)	(IDR 1,091,771,672)	(IDR 827,828,728)	IDR 995,919,206	

Cash flow Projection Analysis

ROI (Return on Investment) 80,35% IRR (Internal Rate of Return) 5,58%

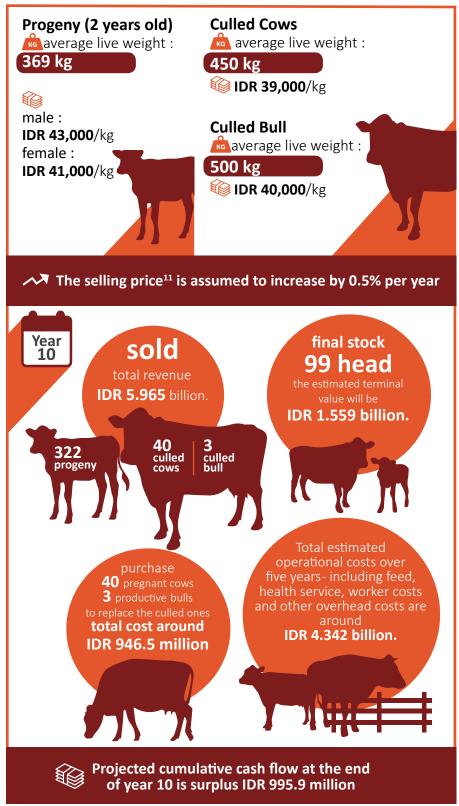
Cumulative Cash Flow IDR 995,919,206

Positive Cash Flow Year 3
PBP (Pay Back Period) Year 10

8. Cash flow Projection Analysis

Source of revenue:

- (1) All female and male progeny sales at age 24 months old
- (2) Culled cow sales
- (3) Culled bull sales



Based on the analysis, positive cash flow can be achieved in year 3. However, negative cash flow is expected in vear 7 because no sales are made during the year. From year 8 onwards, cash flow will return positive. Return will be obtained in year 10. Purchasing pregnant cows will accelerate the positive cash flow. Taking into account the terminal value of herd closing stock, IRR (Internal Rate of Return) in year 10 will reach 5.58% and ROI (Return on Investment) 80.35%.

¹¹ Selling price/kg varies per region and is depending on sale time. Selling price has significant impact on the revenue

9. BX Cattle Breeding Business Risks

In order to run the business as planned, you should always pay attention to and maintain the cattle productivity performance parameters, including:

- **Body Condition Score:** Always maintain BCS (Body Condition Score) of Cows in ideal condition ≥ 3. Non-ideal BCS will reduce reproductive ability of the cows.
- Average Daily Gain: Maintain ADG (Average Daily Gain) of weaned calves to meet the targeted weight. Lower ADGs will impact final weight of sales cattle.
- Cattle mortality rate including abortion and still birth.

 Abortion and still births will affect the number of calves born.

 Calf death rate will affect the number of growers and finished cattle for sale. Meanwhile, cow and bull deaths will reduce the calving rate and increase the cost of purchasing new cattle for replacement,
- Cull unproductive cows. All cows that failed to conceive
 within the targeted period and not immediately culled
 (sold) can potentially increase feed cost. Delay in culling and
 replacing unproductive cows with new pregnant cows extend
 the calving interval and reduce the calving rate.



Annex 1. Feed Composition and Daily Need of Cows

A. Forage and Concentrate Required

	Cow
Average live weight	450 kg
% DM required in feed (of live weight)	2.5%
DM/hd/day required	11.3 kg
Forage	
% forage required	80%
DM required from forage/head/day	9 kg
% DM	22.5%
Forage required /head/day (rounded)	40 kg
Concentrate	20%
% concentrate required	
DM required from concentrate/head/day	2.3 kg
% DM of concentrate	90%
FM concentrate required /head/day (rounded)	2.5 kg

DM = Dry Matter

FM = Fresh Matter

B. Composition of Concentrate for Cows

No.	Feed Commodities	Proportion	IDR/kg	Ration Cost (IDR)
1	Dry Onggok	57%	2,000	1,140
2	Palm Kernel Cake	37%	1,800	666
3	Molasses	4.5%	1,800	81
4	Mineral mix	1.5%	2,500	38
	Total	100%		1,925
			Rounded	1,900

Annex 2. Feed Composition and Daily Needs of Calves

A. Concentrate Composition for Calves

No.	Feed Commodities	Proportion	IDR/kg	Ration Cost (IDR)
1	Dry <i>Onggok</i>	35%	2,000	700
2	Palm Kernel Cake	59%	1,800	1,062
3	Molasses	4.5%	1,800	81
4	Mineral mix	1.5%	2,500	38
	Total	100%		1,881
			Rounded	1,900

B. Estimation of Calf Weight and Forage and Concentrate Required by Calf in Each Growing Stage

Age Initial Weight		Estimated ADG	Growing Period	Final Weight
4-6 months	100 kg	0.30 kg	61 days	118 kg
6-9 months	118 kg	0.40 kg	92 days	155 kg
9-12 months	155 kg	0.42 kg	92 days	193 kg
12-15 months	193 kg	0.45 kg	92 days	235 kg
15-18 months	235 kg	0.47 kg	92 days	278 kg
18-24 months	278 kg	0.50 kg	183 days	369 kg
Average		0.44 kg		

Age	Concentrate Required	Forage Required	DM Required (% of liveweight)	DM Required (kg)	FM Concentrate Required*	FM Forage Required**	Average Feed Cost / Growing Phase
4-6 months	20%	80%	2.5%	3.0 kg	0.7 kg	10.5 kg	IDR 3,300
6-9 months	20%	80%	2.5%	3.9 kg	0.9 kg	12.8 kg	IDR 4,200
9-12 months	20%	80%	2.5%	4.8 kg	1.1 kg	17.2 kg	IDR 5,100
12-15 months	20%	80%	2.5%	5.9 kg	1.3 kg	20.8 kg	IDR 6,100
15-18 months	20%	80%	2.5%	6.9 kg	1.5 kg	24.7 kg	IDR 7,100
18-24 months	20%	80%	2.5%	9.2 kg	2.1 kg	32.8 kg	IDR 9,300
Average					1.4 kg	22.4 kg	IDR 6,500

Note: DM= Dry Matter; FM = Fresh Matter

% DM Concentrate 90% % DM Forage 22.5%

Annex 3. Estimation of Forage Production Cost

Costs	
A. Initial Investment Cost	
Land leasing / ha / year	IDR 5,000,000
B. Preparation Package	
1. Land preparation and urea cost	IDR 1,150,000
2. Worker cost for planting	IDR 300,000
3. Forage seeds	IDR 400,000
Sub-total Cost (X)	IDR 6,850,000
ROUTINE ANNUAL COSTS	
Assumed harvest Cycle / year	6 times
Costs	
A. Leasing	
Land leasing (assuming no increase)	IDR 5,000,000
B. Annual Operational Costs	
1. Weed control, manure application and other maintenance, 6 cycles x IDR 300,000	IDR 1,800,000
2. Workers cost for 6 harvest cycles x IDR 300,000	IDR 1,800,000
Sub-total Cost (Y)	IDR 8,600,000
ANNUAL OUTPUT	Fresh weight (kg/ha)
Harvest 1	15,000 kg
Harvest 1 Harvest 2	15,000 kg 20,000 kg
Harvest 2	20,000 kg
Harvest 2 Harvest 3	20,000 kg 20,000 kg
Harvest 2 Harvest 3 Harvest 4	20,000 kg 20,000 kg 20,000 kg
Harvest 2 Harvest 3 Harvest 4 Harvest 5	20,000 kg 20,000 kg 20,000 kg 15,000 kg
Harvest 2 Harvest 3 Harvest 4 Harvest 5 Harvest 6	20,000 kg 20,000 kg 20,000 kg 15,000 kg 10,000 kg
Harvest 2 Harvest 3 Harvest 4 Harvest 5 Harvest 6	20,000 kg 20,000 kg 20,000 kg 15,000 kg 10,000 kg
Harvest 2 Harvest 3 Harvest 4 Harvest 5 Harvest 6	20,000 kg 20,000 kg 20,000 kg 15,000 kg 10,000 kg Cost per kg

Annex 4. Estimated Annual Requirement of Feed and Land

	Year 1	Year 2	Year 3	Year 4	Year 5
Herd Size					
Cows and Bulls	53 hd				
Calves	46 hd	92 hd	92 hd	92 hd	46 hd
DM Concentrate required for 12 months					
Cows and Bulls	43,646 kg				
Calves	8,824 kg	24,707 kg	26,471 kg	30,001 kg	30,001 kg
Total	52,469 kg	68,352 kg	70,117 kg	73,646 kg	73,646 kg
DM Forage required for 12 months					
Cows and Bulls	174,582 kg				
Calves	35,295 kg	98,827 kg	105,886 kg	120,004 kg	120,004 kg
Total	209,877 kg	273,409 kg	280,468 kg	294,586 kg	294,586 kg
Land required	9.9 ha	12.9 ha	13.2 ha	13.9 ha	13.9 ha
Land size (rounded)	10 ha	13 ha	14 ha	14 ha	14 ha

	Year 6	Year 7	Year 8	Year 9	Year 10
Herd Size					
Cows and Bulls	53 hd				
Calves	46 hd	92 hd	92 hd	92 hd	46 hd
DM Concentrate required for 12 months					
Cows and Bulls	43,646 kg				
Calves	30,001 kg	24,707 kg	26,471 kg	30,001 kg	30,001 kg
Total	73,646 kg	68,352 kg	70,117 kg	73,646 kg	73,646 kg
DM Forage required for 12 months					
Cows and Bulls	174,582 kg				
Calves	120,004 kg	98,827 kg	105,886 kg	120,004 kg	120,004 kg
Total	294,586 kg	273,409 kg	280,468 kg	294,586 kg	294,586 kg
Land required	13.9 ha	12.9 ha	13.2 ha	13.9 ha	13.9 ha
Land size (rounded)	14 ha	13 ha	14 ha	14 ha	14 ha

- (i) iaccbp.org
- (®) redmeatcattlepartnership.org
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HEAD OFFICE

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