NSW DEPARTMENT OF **PRIMARY INDUSTRIES**

DRYLAND OATS Grazing/Grain (Short Fallow)

Farm Enterprise Budget Series - North East NSW Winter 2009

1. GROSS MARGIN BUDGET:

					Standard Budget $/Ha	Your Budget $/Ha
INCOME:						
Grain - Oats:	2.00	tonnes/Ha @	$190.00	(on farm) (feed)	$380.00	

Crop prices were correct at the time of writing (Mar 17 2009), world market volatility makes estimation of future pricing impractical.

Grazing (estimated only, will vary substantially depending on stock type, seasonal conditions, crop growth & grazing period)

3000 kg dry matter / 12.9 kg /steer/day = 233 steer grazing days therefore 233 / 80 days = 2.9 steers/ha fattened

2.9 hd/ha @	1.00 kg/day x	80 days x	$1.80/kg live	$1,879.20	
		360 kg/hd @	$648/hd		
	A. TOTAL INCOME $/Ha:			**$2,259.20**	

VARIABLE COSTS: See next page for detail

Cultivation	$0.00	
Sowing	$49.88	
Fertiliser	$249.48	
Herbicide	$41.74	
Insecticide	$0.00	
Contract harvesting	$54.72	
Levies	$3.88	
Crop Insurance	$7.79	
Purchase store steers, 280kg @$1.90/kg=$532/hd……	$1,542.80	
B. TOTAL VARIABLE COSTS $/Ha:	**$1,950.29**	
C. GROSS MARGIN (A-B) $/Ha:	**$308.91**	

2. EFFECT OF YIELD AND PRICE ON GROSS MARGIN PER HECTARE:

Grain yield tonnes/Ha	ON FARM PRICE ($/tonne)				
	$150 /t	$170 /t	**$190 /t**	$210 /t	$230 /t
1.00	$86	$105	$125	$144	$164
1.50	$159	$188	$217	$246	$275
2.00	$231	$270	**$309**	$348	$386
2.50	$304	$353	$401	$449	$498
3.00	$367	$425	$483	$542	$600
3.50	$430	$498	$566	$634	$702

For detailed livestock budgets see the NSW DPI "Beef Gross Margins" and "Sheep Gross Margins" at www.dpi.nsw.gov.au/agriculture/farm-business/budgets

3. Effect of livestock prices on gross margin per hectare

Purchase Price $/kg	Selling Price				
	$1.60 /kg	$1.70 /kg	**$1.80 /kg**	$1.90 /kg	$2.00 /kg
1.60	$344	$448	$553	$657	$761
1.70	$263	$367	$471	$576	$680
1.80	$181	$286	$390	$495	$599
1.90	$100	$205	**$309**	$413	$518
2.00	$19	$123	$228	$332	$437
2.10	- $62	$42	$147	$251	$355

4. Effect of dry matter/ha and weight gain on gross margin per hectare

Weight Gain kg/day	Dry matter/ha					Steer sale weight kg/hd
	2,000	2,500	**3,000**	3,500	4,000	
0.85	$152	$199	$246	$293	$341	348
0.90	$166	$216	$267	$318	$369	352
0.95	$179	$234	$288	$342	$397	356
1.00	$193	$251	**$309**	$367	$425	360
1.10	$220	$285	$351	$416	$481	368
1.20	$248	$320	$392	$465	$537	376
Steers/ha	1.90	2.40	2.90	3.40	3.90	

This budget should be used as a GUIDE ONLY and should be changed by the grower to take account of movements in crop and input prices, changes in seasonal conditions and individual farm characteristics.

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CALENDAR OF OPERATIONS:

		Machinery*			Inputs			Total
Operation	**Month**	hrs/Ha	Cost $/hour	Total $/Ha	Rate/Ha	Cost $	Total $/Ha	**Cost $/Ha**
broadleaf and grass weed control eg: glyphosate 450	Dec	0.05	45.64	2.28	1.2 L	7.43/L	8.92	**11.20**
broadleaf weed control eg 2,4-D amine 300g/L	Dec	with above			1.80 L	4.23/L	7.61	**7.61**
wetting agent	Dec	with above			0.25 L	8.84/L	2.21	**2.21**
broadleaf and grass weed control eg: glyphosate 450 g/L	Feb	0.05	45.64	2.28	1.50 L	7.43/L	11.15	**$13.43**
wetting agent	Feb	with above			0.25 L	8.84/L	2.21	**2.21**
nitrogen fertiliser eg: Urea	Mar	0.17	45.91	7.80	100 kg	0.76/kg	76.00	**$83.80**
sowing	Mar	0.17	66.34	11.28	50 kg	0.77/kg	38.60	**$49.88**
starter Fertiliser eg 12Z	Mar	with above			80 kg	1.17/kg	93.60	**$93.60**
broadleaf and grass weed control eg: Chlorsulfuron	Apr	0.05	45.64	2.28	20 g	0.14/g	2.80	**$5.08**
nitrogen fertiliser eg: Urea*	Jul/Aug	0.17	66.34	11.28	80 kg	0.76/kg	60.80	**$72.08**
contract harvest	Nov	contract		54.72				**$54.72**
levies					1.02%	of on-farm	farm value	**$3.88**
crop insurance					2.05%	of on-farm value		**$7.79**

Input prices were correct at the time of writing (Mar 17 2009). Current fertiliser and chemical market unc
estimation of future pricing impractical.

NOTES:

Growers should assess soil moisture profiles and fertility levels to assist with yield estimates.

Place in Rotation: Provides some break from root disease build-up provided annual grasses are controlled.

Paddock Selection: More tolerant of acidic soils than wheat or barley.

Seed: Seed price used above is for purchased seed; if using retained seed adjust budget accordingly.

Varieties: Refer to NSW Department of Primary Industries "Winter Crop Variety Sowing Guide 2009" for varieties.

Fertiliser: *Topdressing of urea (July/Aug) to increase leaf and grain production, but there is a risk of losing nitrogen from urea when topdressing unless significant rainfall occurs within 24 hours.

Herbicides: Rotate herbicide groups to avoid herbicide resistance developing.
Refer to the NSW DPI booklet "Weed Control in Winter Crops 2009" for options.

- Always read the label and follow directions, as it is your legal responsibility to do so.

Use of a particular brand name does NOT imply recommendation of that brand by NSW DPI.

Machinery A tractor with 130 kW (175 HP) pto power and 146kW (196 HP) engine power is assumed
Machinery costs refer only to variable costs: fuel, oil, filters, tyres, batteries & repairs.
Contract harvesting include an estimated fuel cost of $3.24/ha (9m front).

Labour The labour required for machinery operations is 0.83 Hrs/Ha
Using a labour cost of $18.51/hr, an additional $15.27 can be deducted from the budget