



HAWKESBURY FARM

OPERATIONAL CALENDAR OF ACTIVITIES

August 2023

ENVIRONMENTAL SUSTAINABILITY
DIVISION INFRASTRUCTURE AND COMMERCIAL

ANIMAL MANAGEMENT

CATTLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Bulls	<ul style="list-style-type: none"> • Sell old bulls 	<ul style="list-style-type: none"> • Check for soundness-jaw, feet/legs, testicles & prepuce/penis pre-joining 	<ul style="list-style-type: none"> • Removed 	<ul style="list-style-type: none"> • Joining (2 cycles only - 6 weeks) • Joining fat score 3 • Mating rate for 2 y.o. is 20-30 young cows & 35-60 mature cows 		<ul style="list-style-type: none"> • Removed 		<ul style="list-style-type: none"> • Check for soundness-jaw, feet/legs, testicles & prepuce/penis pre-joining • Vaccinate booster 7 in 1 	<ul style="list-style-type: none"> • Purchase new bulls • 2-4 Weeks Pre Joining - Pestigard and Vibrovax Vaccination 	<ul style="list-style-type: none"> • Joining (2 cycles only - 6 weeks) • Joining fat score 3 • Mating rate for 2 y.o. is 20-30 young cows & 35-60 mature cows 		<ul style="list-style-type: none"> • Removed
Cows	<ul style="list-style-type: none"> • Sell cull cows 	<ul style="list-style-type: none"> • Pregnancy test. • Sell empty/dry cows • Autumn Calving Cows - Vaccinate -7 in 1 	<ul style="list-style-type: none"> • Fat Score animals and assess weight gain. • Assess pasture feed in last trimester. 	<ul style="list-style-type: none"> • Joining (2 cycles only - 6 weeks) • Min. joining fat score 3/2 			<ul style="list-style-type: none"> • Spring Calving Cows - Vaccinate- 7 in 1 	<ul style="list-style-type: none"> • Pregnancy test • Sell Cull Cows • Removed 		<ul style="list-style-type: none"> • Joining (2 cycles only - 6 weeks) • Min. joining fat score 21/2 • Match the needs of lactating cows with pasture 		
	<ul style="list-style-type: none"> • Calving - record data, i.e. date, identification, sex, weight & problems. • Draft cows and calves at end of each week to place in large herd. 	<ul style="list-style-type: none"> • Match the needs of lactating cows with pasture • Check for milk fever • Grass Tetany prevention 					<ul style="list-style-type: none"> • Calving - record data, i.e. date, identification, sex, weight & problems. • Draft cows and calves at end of each week to place in large herd. 					
	<ul style="list-style-type: none"> • Match the needs of lactating cows with pasture • Check for milk fever • Grass Tetany prevention 						<ul style="list-style-type: none"> • Match the needs of lactating cows with pasture • Check for milk fever • Grass Tetany prevention 					
Heifers	<ul style="list-style-type: none"> • Autumn Calving Heifers - Vaccinate with 7 in 1 	<ul style="list-style-type: none"> • Pregnancy test • Sell empty and culled heifers • Autumn Calving Heifers - Vaccinate - 7 in 1 	<ul style="list-style-type: none"> • Fat Score animals and assess weight gain. • Assess pasture feed in last trimester & supplement feed if necessary 	<ul style="list-style-type: none"> • Joining (2 cycles only - 6 weeks) • Joining weight min. 320kg lw curfewed. 			<ul style="list-style-type: none"> • Spring Calving Heifers - Vaccinate - 7 in 1 	<ul style="list-style-type: none"> • Pregnancy test • Sell cull heifers 		<ul style="list-style-type: none"> • Joining (2 cycles only - 6 weeks) • Joining weight min. 320kg lw curfewed. 		
		<ul style="list-style-type: none"> • Removed 						<ul style="list-style-type: none"> • Removed 				
Calves	<ul style="list-style-type: none"> • Treat with multimum 	<ul style="list-style-type: none"> • Autumn calves <ul style="list-style-type: none"> ◦ Marking ◦ Castrate ◦ Dehorn ◦ Vaccinate - 7 in 1 		<ul style="list-style-type: none"> • Wean Spring calves • Vaccinate Weaning Booster - 7 in 1 				<ul style="list-style-type: none"> • Spring calves <ul style="list-style-type: none"> ◦ Marking ◦ Castrate ◦ Dehorn ◦ Vaccinate - 7 in 1 		<ul style="list-style-type: none"> • Wean Autumn calves • Vaccinate Weaning Booster - 7 in 1 		
Heifer Weaners		<ul style="list-style-type: none"> • Weigh every 6-8 wks to monitor performance; expected weight gain 800g-1.2kg per day 		<ul style="list-style-type: none"> • Vaccinate -7 in 1 • Drench for worms 	<ul style="list-style-type: none"> • Select Heifer replacements (Go to heifers) • Sell 10 mth old animals - NLIS compliant • Supplementary feed if necessary to fill feed gap over winter 		<ul style="list-style-type: none"> • Vaccinate booster 7 in 1 		<ul style="list-style-type: none"> • Worm test & treat yearlings 			
Steers Weaners		<ul style="list-style-type: none"> • Weigh every 6- 8 wks to monitor performance; expected weight gain of 1.2-1.5kg per day 		<ul style="list-style-type: none"> • Drench for worms • Vaccinate - 7 in 1 	<ul style="list-style-type: none"> • Sell 10 mth old animals - NLIS compliant. • Supplementary feed if necessary to fill feed gap over winter 		<ul style="list-style-type: none"> • Vaccinate booster 7 in 1 		<ul style="list-style-type: none"> • Worm test & treat 			<ul style="list-style-type: none"> • Sell 15mth feeders
All	<ul style="list-style-type: none"> • Drench - worms & flukes • Lick blocks 	<ul style="list-style-type: none"> • Maintain health checks for pink eye and 3 day sickness - treat as required 	<ul style="list-style-type: none"> • Supplement feed if needed 	<ul style="list-style-type: none"> • Assess and treat lice 	<ul style="list-style-type: none"> • Provide roughage hay & lick blocks 			<ul style="list-style-type: none"> • Sell Prime Stock 		<ul style="list-style-type: none"> • Sell Prime Stock • drench - worms & flukes 		

ANIMAL MANAGEMENT

SHEEP	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rams		<ul style="list-style-type: none"> • Check for soundness • Sell Old/Cull Rams • Purchase New Rams 	<ul style="list-style-type: none"> • Joining 	<ul style="list-style-type: none"> • Remove 					<ul style="list-style-type: none"> • Purchase New Rams 			
Ewes		<ul style="list-style-type: none"> • Sell Cull Ewes 	<ul style="list-style-type: none"> • Joining 	<ul style="list-style-type: none"> • Joining 	<ul style="list-style-type: none"> • Joining 			<ul style="list-style-type: none"> • Check for lambing difficulties 		<ul style="list-style-type: none"> • Check for lambing difficulties 		<ul style="list-style-type: none"> • Sell cull ewes
Lambs	<ul style="list-style-type: none"> • Sell suckers • Wean 		<ul style="list-style-type: none"> • Sell suckers • Wean 						<ul style="list-style-type: none"> • Marking • Castrate • Tail docking 		<ul style="list-style-type: none"> • Marking • Castrate • Tail docking 	
All	<ul style="list-style-type: none"> • Drench for worms & flukes • Lick blocks 	<ul style="list-style-type: none"> • Worm Test 				<ul style="list-style-type: none"> • Shearing 			<ul style="list-style-type: none"> • Worm Test 		<ul style="list-style-type: none"> • Drench - worms & flukes 	



PASTURE MANAGEMENT

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<ul style="list-style-type: none"> Keep pastures slashed after grazing Top dress with humic acid fish emulsion with spray boom (7L/ha) Plan livestock requirements with existing pastures Plan autumn /winter cropping which may include: <ul style="list-style-type: none"> o Annuals e.g. oats, ryegrass, brassicas, forage herbs o Perennial e.g. ryegrass, Lucerne, cocksfoot & phalaris Plan fertiliser application based on soil test. Treat weed infestations as appropriate. 	<ul style="list-style-type: none"> Plan pasture improvement program including: <ul style="list-style-type: none"> o Determine perennial & annual pasture requirements o Identify feed gap o Purchase seed & fertiliser Prepare pastures for winter/spring feed: <ul style="list-style-type: none"> o Spray grass pastures with knockdown herbicide to kill or suppress growth o OR graze & mulch grass pastures hard to remove dead material 	<ul style="list-style-type: none"> Sow crop for winter/spring feed on Autumn break rain 	<ul style="list-style-type: none"> Apply lime or gypsum if required Sow pasture on Autumn break rain 	<ul style="list-style-type: none"> Check pastures for insect damage Undertake weed control at early emergent stage Assess readiness of early sown pastures for grazing Ryegrass pastures – graze when each tiller has 3 leaves or when 15-18cm high to avoid yellowing and death of lower leaves 	<ul style="list-style-type: none"> Monitor pasture growth and assess late sown paddocks for 1st grazing. 	<ul style="list-style-type: none"> Select paddocks for silage/hay production 	<ul style="list-style-type: none"> Prepare silage/hay paddocks After grazing slash and top dress with humic acid fish emulsion with spray boom (7L/ha) Aim to harvest ryegrass when 10% of paddock has reached head emergence 	<ul style="list-style-type: none"> Select paddocks for soil testing 	<ul style="list-style-type: none"> Silage production – assess chosen paddocks for readiness Sow Summer crops – Millet, Cowpeas & Brassicas 	<ul style="list-style-type: none"> Silage/early hay production 	
		<ul style="list-style-type: none"> Apply 10m³ per ha of organic chicken manure to each paddock sown Manage kikuyu by grazing or mulching to 2.5cm. Keep short through Autumn/Winter to allow light penetration for clover seedlings. 		<ul style="list-style-type: none"> Top with humic coated nitrogen 30-60kg N/ha after every 2nd grazing (if conditions are favourable) 				<ul style="list-style-type: none"> Manage newly sown pastures: <ul style="list-style-type: none"> o Annuals - early maturing varieties may start flowering (weather dependent) o Perennials – will need to be locked up and allowed to set seed. Increasing persistence 			
	<ul style="list-style-type: none"> Manage excess feed by making silage. After grazing/slashing, top dress with nitrogen & allow 5 wks growth then harvest 				<ul style="list-style-type: none"> Plan winter grazing/feeding budgets 					<ul style="list-style-type: none"> Manage existing Kikuyu pastures Maintain legumes & pasture quality by grazing when 18-20cm long. Rotationally graze with back fence Slash after grazing to remove old rank growth. 	
<ul style="list-style-type: none"> Check Hillside & Hort dams levels weekly. Fill as required. 			<ul style="list-style-type: none"> Check Hillside & Hort dams levels every 3 weeks. Fill as required. 					<ul style="list-style-type: none"> Check Hillside & Hort dams levels weekly. Fill as required. 			
<ul style="list-style-type: none"> Ensure irrigation is meeting peak crop water demands throughout the year. Avoid over watering the low flat areas 											