



Module 7 Genetics

Wednesday May 29th & Thursday May 30th, 2019

Days Inn, 134 Angeline Street South, Lindsay

Day One	Topic	Information covered	Speaker
8:30 AM	Registration		
8:45 AM	Intros & housekeeping		Anita O'Brien
9:00 AM	A grounding in the basics of genetics	Heritability, repeatability, correlations, genetics vs environment, how does genetic change happen	Cathy Gallivan
9:45 AM	Matching breeds to production systems		Delma Kennedy, OMAFRA
10:30 AM	BREAK		
10:45 AM	Crossbreeding principles and systems	Crossbreeding, what's it worth? heterosis, inbreeding; effective crossbreeding systems	Delma Kennedy
11:30 AM	Genetic selection systems	How it leads to genetic evaluations What's happening in other countries / nucleus flocks / sire referencing schemes	Cathy Gallivan
12:15 PM	LUNCH		
1:00 PM	Genovis & genetic evaluations	Program details, Using EPDs and Indexes to ID your best & poorest performers	Frédéric Fortin, CEPOQ
1:45 PM	Selecting Flock Replacements	What information to use,	Frédéric Fortin,
2:30 PM	Replacement – buy or raise?		Delma Kennedy
3:15 PM	BREAK		
3:30 PM	Include a culling strategy in your selection program	Culling criteria to match your breeding goals,	Anita O'Brien
4:15 PM	Setting breeding objectives	identify most important traits for your enterprise; quantify current productivity levels to identify opportunities	Workshop
5:00 PM	SUPPER		
7:00 PM			
9:00 PM	Adjourn		



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PASTURE

Day Two	Topic	Information covered	Speaker
8:30 AM	Selecting purchased rams	Terminal vs maternal, importance of conformation	Johanne Cameron, Quebec producer
9:15 AM			
10:00 AM	BREAK		
10:15 AM	Progress from Genetic Selection	What improvements have I made in my flock using performance recording	producer
11:00 AM	Artificial Insemination & Embryo Transfer	Why I use / what's its value to me	producer
11:45 AM	LUNCH		
12:30 PM	New genetic technologies	Epigenetics / turning genes on & off	Marlene Paibomesai, OMAFRA
1:15 PM	Leave for 1 st farm		
2:00 PM	Farm visit 1		
3:00 PM	Travel to 2 nd farm		
3:30 PM	Farm visit 2		
4:30 PM	Safe home		