“NZ and US Genetics Our Experience to Date”

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Pasture-Based Dairy Program

Southwest Center Breeding Goals

1. Moderate framed cow – 1050# to 1150#

2. Utilize 2-way cross – Holstein X Jersey
   - Moderate size
   - Provide heterosis

3. Batch calving - emphasis on fertility
   - Sire fertility
   - DPR
   - Synchcheck

4. Fluid market – emphasis on milk yield

5. Compare U.S. and N.Z. genetics

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Why Kiwi Genetics?

- Breed strains that have developed in a grazing environment
- Research from New Zealand and Ireland has suggested these cows
  - Regain body condition more rapidly
  - Are more fertile (higher pregnancy rates)
  - Produce lower milk yield but higher components

SW Center Strain Comparison

	ME Milk	ME Fat	ME Protein	DIM@ Conception	% Making Window
Holstein	16,191	656	517	78.7	73.1%
Jersey	13,549	608	458	86.5	72.0%
X-Bred	15,033	588	491	85.3	73.5%
H-J Avg.	14,870	632	488		

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American – Kiwi Comparison

Jersey

Strain	ME Milk	ME Fat	ME Protein	DIM@ Conception	% Making Window
American Sired 19	15,270	588	498	85.5	78.9%
Kiwi Sired 6	14,539	589	476	91.7	50.0%

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American – Kiwi Comparison
Black & White

Strain	ME Milk	ME Fat	ME Protein	DIM@ Conception	% Making Window
American Sired 8	17,174	656	532	76.2	87.5%
Kiwi Sired 18	15,754	656	511	84.1	66.7%

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American – Kiwi Comparison

Crossbreds

Strain	ME Milk	ME Fat	ME Protein	DIM@ Conception	% Making Window
American Sired 23	15,270	588	498	91.2	65.2%
Kiwi Sired 11	14,539	589	476	76.5	90.9%

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Strain Comparison - Stayability

Year Entered Herd	Strain	Number Entered	Number Culled by 2013	% Culled by 2013
2010	American	30	19	63.3%
	Kiwi	5	4	80.0%
2011	American	19	13	68.4%
	Kiwi	29	18	62.1%
2012	American	13	1	7.7%
	Kiwi	18	4	22.2%
2013	American	24	5	20.8%
	Kiwi	15	2	13.3%
Currently - 55.8% American sired still in herd			58.2% of Kiwi sired still in herd	

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