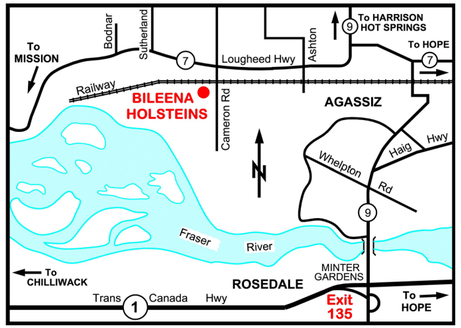
5. Bileena Holsteins

1953 Cameron Road, Agassiz
Hosts: Bill & Henny Klop and Alex & Amanda Klop
Phone: 604.796.9127 or 604.845.4964
Contractors: Pacific Dairy Centre, GEA, Quantum Engineering, Primo Contracting, Meinen Brothers Agri Services, Voltage Solutions, Fraser Valley Watersmart, United Agri Systems

Visiting hours are from 10 AM to 4 PM.

- BC's first GEA MI-one double-box robotic milking system; farm is milking 95 cows in existing barn but current milking system can accommodate 120 cows; addition of third box could allow 150 cows to be milked; equipment installed by Pacific Dairy
- robotic milking equipment incorporates features that include three-dimensional (3D) time-of-flight camera, in-liner teat preparation and stimulation that ensures clean and dry teats, one-step attachment, conductivity monitoring and discarding of milk by individual quarter, standard dual milk filtration system, easy-to-use Robot Data Manager System and sort gates
- GEA CowScout herd health and activity system monitoring
- 500-litre buffer tank with automatic washing system
- project was completed without having to move or disrupt the milking herd by adding 28 feet of length to the existing barn
- new gate work and welding by Meinen Brothers
- new grain bin and flex auger installed by United Agri Systems

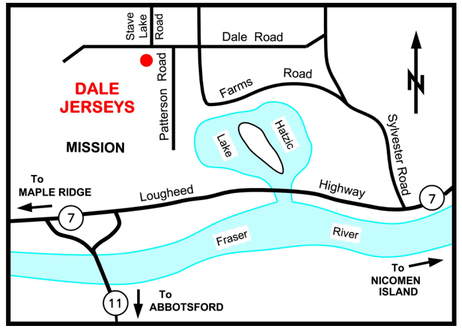


6. Dale Jerseys

34782 Dale Road, Mission
Hosts: Robert and Karen Dale and sons Christopher and Brian
Phone: 604.820.7731
Contractors: J&D Farmers Dairy Service, Lang Engineering, Lindhout Construction, SureBond Safe (Silikal) Floors, Doppenberg Electric, Fraser Valley Watersmart, Southern Irrigation

Visiting hours are from 9 AM to 4 PM. A complimentary lunch will be available from 11 AM to 2 PM, with many thanks to the contractors noted above.

- new drive through barn with two DeLaval robotic voluntary milking systems (VMS); on-board somatic cell counter (OCC); chemical back flush system; DeLaval automated grain feeding
- SureBond Safe Floor (AB Silikal) provides non-slip, animal-welfare-friendly, acid-resistant, easy-to-clean protection for high traffic areas near the robots, the robot room and milk tank room
- 2000-gallon DeLaval milk tank; flow-controlled cooling
- Artex head lockers and green flexible feed fence
- feed surfaces protected with smooth Silikal floor product which improves hygiene, eliminates feed adhesion and floor corrosion
- Artex comfort stalls with Gel Mats; Traction Rubber product used on feed alley and crossovers; AlleyDrain system under cow alleys
- Roll-O-Matic curtains and Ventec cyclone fans
- JOZ alley scrapers and 12-inch Jamesway pump with automatic controls for flush flume, J&D fiberglass 16x12 pit cover



PROGRAM SPONSORS

The BC Ministry of Agriculture (BC AGRI) and the Dairy Industry Research and Education Committee (DIREC) gratefully acknowledge the financial support provided by the following sponsors

Growing Forward 2 — A federal-provincial-territorial initiative
DIREC — Dairy Industry Research and Education Committee
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SureBond Safe Floors
Artex Barn Solutions
Clearbrook Grain & Milling Co. Ltd.
Ritchie-Smith Feeds, Inc.
Hi-Pro Feeds
TD
West Coast Robotics
Lely — innovators in agriculture

BIOSECURITY BOOT SPONSORS FOR ALL HOST FARMS

Biosecurity is an increasingly important consideration on dairy farm open houses and your respect for such concerns is requested by respecting signs and wearing the disposable plastic boots graciously provided at each farm by the sponsors noted below.

J&D Farmers Dairy Service Ltd
Pacific Dairy Centre
West Coast Robotics

ON-FARM LUNCH SPONSORS AT GRACE- MAR FARMS

Pacific Dairy Centre
Vandenbrink Engineering
Quantum Engineering
Kloot Construction
Woodspan Construction
Neal's Electric
Alpine Refrigeration
GEA

ON-FARM LUNCH SPONSORS AT DALE JERSEYS

J&D Farmers Dairy Service
Lang Engineering
Lindhout Construction
SureBond Safe (Silikal) Floors
Doppenberg Electric
Fraser Valley Watersmart
Southern Irrigation
Bank of Nova Scotia

The BC Ministry of Agriculture (BC AGRI) and the Dairy Industry Research and Education Committee (DIREC) of the BC Dairy Association sincerely thank the participating equipment suppliers, building contractors and agribusinesses for sponsoring biosecurity boots, refreshments and lunches.

B.C. DAIRY EXPO

JANUARY 27 - 28, 2016

48th Annual B.C. Dairy Expo

Farm Tours

Wednesday, January 27, 2016

This Year's Hosts

- Whatcom Acres Farm
- Grace-Mar Farms
- Bileena Holsteins
- Crossroads Dairy Farm
- West River Farm
- Dale Jerseys

Please wear the biosecurity boots provided.

A big thank you to all hosts for opening their facilities to visitors!

For More Information Contact

John Luymes, Farm Structures Engineer
BC Ministry of Agriculture
John.Luymes@gov.bc.ca or 604.556.3114

1. Whatcom Acres Farm

1345 Whatcom Road, Abbotsford
Host: The Gietema family
Phone: 604.302.1063 or 604.302.9818
Contractors: West Coast Robotics, Pacific Dairy Centre, Schippers Canada

Visiting hours are from 10 AM to 3 PM.

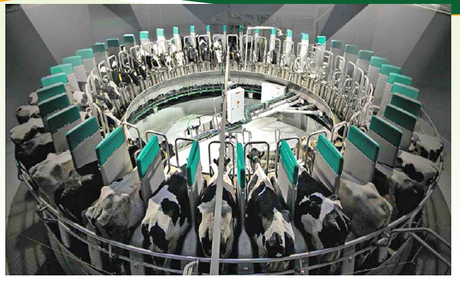
- Lely Vector automatic feeding system was installed in June 2015 as a retrofit project in an existing structure
- 300 cows in total (including 200 milking cows) are fed by the Vector in two separate barns
- on-demand automatic feeding management system incorporates the nutritional requirements of nine different cow groups
- feeding system prepares different combinations and volumes of rations depending on the makeup of the various herd groups
- BvL block cutter is used for cutting corn and grass silage into blocks for placement in feed kitchen prior to mixing/distribution
- system makes it possible to provide fresh feed multiple times/day
- Schippers Equalization concrete coating for optimal feed intake
- DariTech DTX dewatering separator was recently added to existing BeddingMaster system, all supplied and installed by Pacific Dairy Centre
- DTX separator allows for fine separation without screen cleaning and for high throughput without the need to manage feed rates even if dissolved manure solids content is high

2. Crossroads Dairy Farm

1516 McDermott Road, Abbotsford
Hosts: The Arends family
Phone: 604.854.1015 or 604.768.0494
Contractors: Kerkhoff Engineering, Breukelman Construction, J&D Farmers Dairy Service, Mid Valley Manufacturing, Mountain View Pre-Cast, Dieleman Electric, A & H Plumbing

Visiting hours are from 8 AM to 12 PM. **Please respect this morning only time to avoid disturbing the cows when the 12:30 PM milking shift begins. The open house is for viewing the milking parlour, the new close-up and maternity barn, and the new calf barn only. Please refrain from walking around and through the older barns.**

- new 40-stall DeLaval internal rotary herringbone parlour
- free flow MM27 meters with blood and conductivity monitoring
- award winning automatic dipping and flushing (ADF) milk claws which automatically post dip the cows and back flush the machines after each milking
- milking overview touch screen (MOS) in the parlour which tracks all cows on the deck and audibly alerts the milker if any milking irregularities are noticed for any cow
- ear tag identification and sort gate
- barn flush system by J&D; includes a 30 HP flush pump, seven 12-inch air bag valves, and a pneumatic controller
- crowd gate, pen dividers and railings by Mid Valley Mfg.



3. Grace-Mar Farms

47640 Yale Road East, Chilliwack
Hosts: Wally, Mike and Richard Tenbrinke, John Kampman
Phone: 604.792.9569 or 604.793.5235 or 604.798.5513
Contractors: Pacific Dairy Centre, GEA, Vandenbrink Engineering, Quantum Engineering, Kloot Construction, Woodspan Construction, J&D Farmers Dairy Service, SureBond Safe (Silikal) Floors, Neal's Electric, Alpine Refrigeration, Artex Barn Solutions, Precision Farm Supply

Visiting hours are from 9 AM to 4 PM. **A complimentary lunch will be available from 11 AM to 2 PM, with thanks to many of the contractors noted above.**

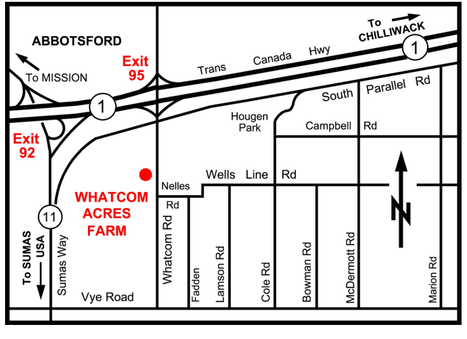
- first-of-its-kind-in-North-America 60-stall GEA DairyProQ robotic rotary milking parlour, installed by GEA and Pacific Dairy
- each stall unit has its own robotic module for full automation
- teat cup attachment, teat prep (including pre-dipping), fore-stripping, stimulation, milking, conductivity monitoring, and post-dipping are done within the teat cup liner, in one single attachment; back flushing occurs after automatic removal
- static display with observation deck; animal-friendly SureBond flooring around rotary, in holding area, exit alley, and milk room
- GEA milk cooling chiller; CowScout herd health/activity system
- Daritech BioLynk separator system with Slurrystore flush tank
- Artex stalls, head lockers installed by J&D; Artex ventilation fans supplied/installed by Precision Farm Supply

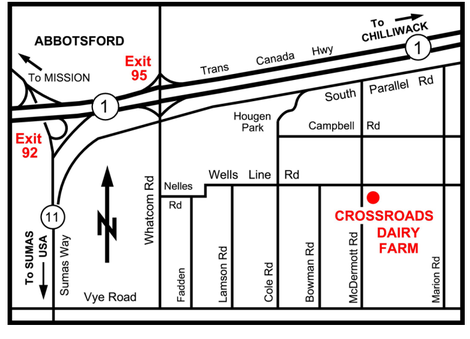
4. West River Farm

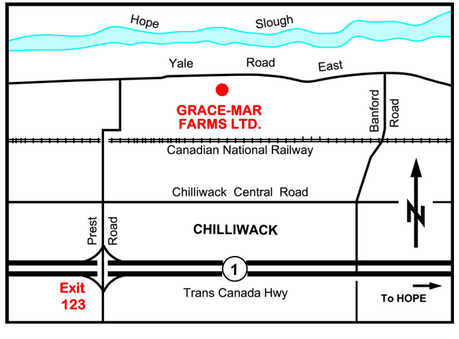
51111 Willbourn Road, Rosedale
Hosts: Gene & Sarah Sache, Grant & Shawna Sache and families
Phone: 604.819.4725 or 604.819.3820
Contractors: West Coast Robotics, West Coast Stabling, Quantum Engineering, Goosen Construction, Neal's Electric, Pacific Dairy Centre, J&D Farmers Dairy Service, United Agri Systems, Jonkman Equipment

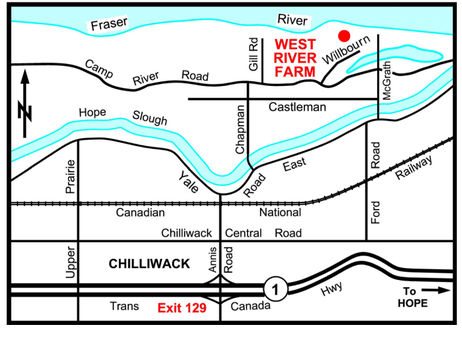
Visiting hours are from 10 AM to 4 PM.

- new 6-row sand-bedded barn for 130 milk cows and 40 dry cows
- sand lane incorporated into design for sand bedding recycling
- project focused on cow comfort, labour saving, sustainability
- three Lely Astronaut robotic milking machines equipped with milk quality control somatic cell counting (MQC-C SCC) system testers for each quarter; stations equipped with Gravitor weighing floors; barn expandable to fourth robot and 240 milking cows
- movement and rumination activities for milking herd and heifers are managed with long distance monitoring equipment every two hours for optimization of heat detection and breeding times
- 4000-gallon GEA bulk milk tank supplied by Pacific Dairy Centre
- Lely Luna cow brushes, Juno feed pusher, water troughs, stable headlocks, free stalls and gate work by West Coast Stabling
- JOZ manure scrapers and Jamesway manure pump by J&D
- curtains by Pacific Dairy Centre/United Agri; grain bin and auger by United Agri Systems; chimneys by Jonkman Equipment









DIREC
DAIRY INDUSTRY RESEARCH AND EDUCATION COMMITTEE

The Dairy Industry Research and Education Committee (DIREC) is a committee which functions under the umbrella of the BC Dairy Association (BCDA) and includes producers as well as representatives from the feed industry, veterinary practice and the provincial government. DIREC's primary objective is to facilitate, encourage and financially support projects and programs that have been identified by BCDA to benefit the BC dairy industry.

DIREC's funding priorities include initiatives that support BC dairy industry sustainability, productivity, profitability, animal health and welfare, technological innovation, and youth and industry development. The three primary categories for which funding is eligible are research and education, events, and scholarships.

For further information on DIREC, please go to the website:
www.bcdairy.ca/dairyfarmers/initiatives/direc

BRITISH COLUMBIA | Ministry of Agriculture

In its support of the dairy industry, the BC Ministry of Agriculture encourages producers and industry to consider a variety of factors that ensure the long-term viability of dairying in BC, chief among them being economic sustainability, environmental sustainability, and social license. To that end, the Ministry delivers projects and programs designed to support:

- innovative agricultural activities that protect soil, water and air quality
- improved water management practices and efficiency of use
- development of sustainable by-product and nutrient management projects
- development, promotion and evaluation of beneficial management practices
- access to sufficient water for existing needs and to adapt to climate change
- responsible farm practices to enhance community and social well-being

The incorporation of these principles in building projects and in day-to-day farm operations is considered an essential component to the success of dairying and agricultural production well into the future.