

# B.C. DAIRY EXPO

## JANUARY 25 & 26, 2017



**1. Golden Gate Farms**  
 28670 58th Avenue, Abbotsford  
**Hosts:** Martin and Sarah Yoder  
**Phone:** 778.255.0603  
**Contractors:** West Coast Robotics, Quantum Engineering, Neels Construction, West Coast Stabling, Pacific Dairy Centre, Meinen Brothers Agri Services, OB Krahn, Voltage Solutions

Visiting hours are from 9 AM to 5 PM.

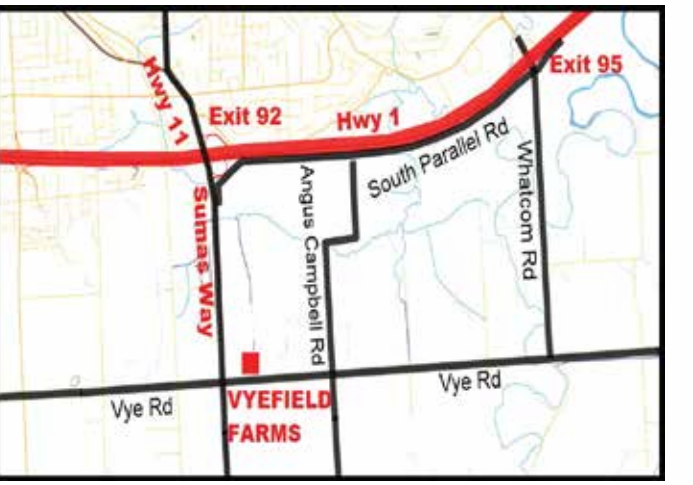
- certified organic farm focused on cow comfort and sustainability
- new three-row barn with outside feed alley includes automated Lely Vector feeding system for 150 animals between two barns
- two Lely A4 robotic milking machines equipped with MQC-II milk quality control to monitor fat, protein, milk color, temperature and milk speed/flow; Holm & Laue milk taxi
- MQC-C somatic cell count testing, Gravitor weigh floors, feed presence sensors and Titania liquid feed dispensers
- Lely Grazeway incorporates grazing options; Lely Luna brushes
- Lely activity and rumination for milking herd and heifers are managed with long distance monitoring equipment every two hours for optimization of heat detection and breeding times
- fully automated tunnel ventilation with Secco power chimneys, fans and weather station controlled by Maximus Control
- dual chamber water beds for optimal cow comfort



**2. Vyefield Farms**  
 34943 Vye Road, Abbotsford  
**Hosts:** Ed and Larry Kielstra and Families  
**Phone:** 604.556.6339 or 604.302.6333  
**Contractors:** Vyefield Farms, Neale Engineering, Industrial Steel Supply, PR Construction, Pacific Dairy Centre, GEA, Artex Barn Solutions, Meinen Brothers Agri Services, Jonkman Electric, Alpine Refrigeration, Precision Farm Supplies, J & D Farmers Dairy Service

Visiting hours are from 10 AM to 4 PM.

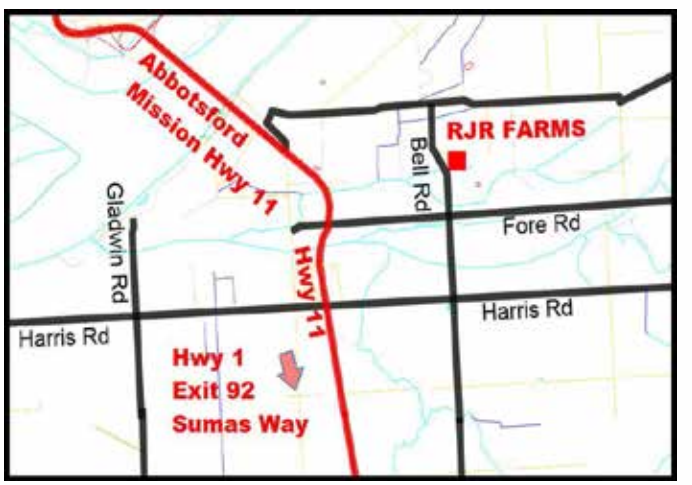
- first 32-stall GEA DairyProQ robotic rotary milking parlour in North America, installed by GEA and Pacific Dairy Centre
- teat liners incorporate 3-D camera attachment, guaranteed pre-milking preparation, milk discard per quarter, conductivity per quarter and in-liner post dip; GEA Magnum crowd gate
- GEA 8000-gallon Koolway milk tank with GEA chiller system
- GEA DairyProQ integrated wash and hygiene system
- GEA CowScout activity and health monitoring system; neck tags
- first GEA oilless RPC vacuum pump; Artex high bay LED lighting
- existing cattle housing layout includes one 5-row barn and one 2-row barn with barn alley flush and solid/liquid manure separation
- Moov feed pusher by JOZ installed by J&D Farmers Dairy Service
- Artex Storm and Artex exhaust fans with Autoflex controls comprise complete ventilation system



**3. R J R Farms**  
 6256 Bell Road, Abbotsford  
**Host:** The Redekop and Miles Families  
**Phone:** 604.768.4751  
**Contractors:** West Coast Robotics, Lang Structural Engineering, Neels Construction, West Coast Stabling, Fraser Valley Watersmart, Doppenberg Electric

Visiting hours are from 9 AM to 5 PM.

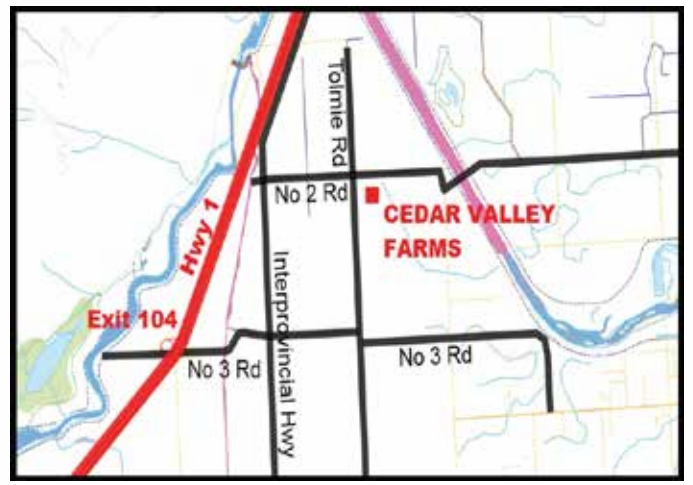
- new 3-row 100-cow sand-bedded barn with outside feed alley
- project focused on cow comfort, labour savings and sustainability
- two Lely A4 robotic milking machines equipped with MQC-II milk quality control to monitor fat, protein, milk color, temperature and milk speed/flow
- MQC-C Somatic Cell Count Testing, Gravitor weigh floors and feed presence sensors; bedded pack area for close-up cows
- Lely activity and rumination for milking herd and heifers are managed with long distance monitoring equipment every two hours for optimization of heat detection and breeding times
- Lely Luna cow brushes and Lely Juno 100 feed pusher
- new calf barn with controlled ventilation system, Canarm calf suites and Holm & Laue milk taxi; Jamesway scrapers and pumps
- fully automated tunnel ventilation with Secco chimneys, curtains, fans and weather station monitored by Maximus Control



**4. Cedar Valley Farms**  
 40820 No. 2 Road, Abbotsford  
**Hosts:** The Vanderwal Families  
**Phone:** 604.302.2946  
**Contractors:** Breukelman Construction, Kerkhoff Engineering, Artex Barn Solutions, J & D Farmers Dairy Service, LSC Pre-Cast Systems, Voltage Solutions, Precision Farm Supplies

Visiting hours are from 10 AM to 4 PM.

- three new barns all of rigid steel frame construction with 32-stall Blom deck milking parlour; SCR automation, ADF (Auto Dip and Flush) milking claws, Delaval Usher Crowd gate, Delaval Automated Foot Bath, Delaval 8000 gal milk tank; first BC installation of new Artex CSL headlockers; Artex Calf Zone pens
- new first-of-its-kind state-of-the-art Artex BioFlex Freestall System has stalls with a flexible mounting system, floating neck rails and deep sand bedding for greater cow comfort; gates by Artex; tilt-up concrete walls by LSC Pre-Cast for milking facility
- manure flush system includes a 2.9 million-gallon bolted steel Ag Tank, Dryhill agitation system, Nuhn floating flush pump, 2 Bauer LE direct drive vertical electric pumps, stainless internally-fed rotating screen separator, 48-inch roller press, and J&D custom programmable flush controllers
- ventilation system comprises Artex Storm and Artex Breeze fans, Rollomatic Curtains, Faromor chimneys



### 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.



## 49<sup>th</sup> Annual B.C. Dairy Expo

**Farm Tours**  
 Wednesday, January 25, 2017

### This Year's Hosts

- |                    |                     |
|--------------------|---------------------|
| Golden Gate Farms  | D & M Verwoert Farm |
| Vyefield Farms     | Fraser Edge Farms   |
| R J R Farms        | Driessen Farms      |
| Cedar Valley Farms | Lorenzetti Acres    |
| Van Gard Farms     |                     |

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





## 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.



The BC Ministry of Agriculture and the Dairy Industry Research and Education Committee of the BC Dairy Association sincerely thank the participating equipment suppliers, building contractors and agribusinesses for sponsoring biosecurity boots, refreshments and lunches. A special thank you to all participants sponsoring lunches at Van Gard Farms, D & M Verwoert Farm, Fraser Edge Farms and Lorenzetti Acres.

**5. Van Gard Farms**  
43238 Yale Road West, Chilliwack  
**Hosts:** Jim and Karen Van Garderen  
**Phone:** 604.302.6092  
**Contractors:** Lindhout Construction, Quantum Engineering, Pacific Dairy Centre, GEA, Meinen Brothers Agri Services, Fraser Valley Watersmart, United Agri Systems, Col Electric

**6. D & M Verwoert Farm**  
10755 Kitchen Road, Chilliwack  
**Hosts:** Don and Myra Verwoert  
**Phone:** 604.792.3910  
**Contractors:** Lindhout Construction, Quantum Engineering, J & D Farmers Dairy Service, Fraser Valley Watersmart, Voltage Solutions

**7. Fraser Edge Farms**  
9348 Sterling Road, Deroche  
**Hosts:** The Stoker Family  
**Phone:** 604.302.5182  
**Contractors:** West Coast Robotics, Quantum Engineering, VanReeuwijk Construction, West Coast Stabling, Fraser Valley Watersmart, Voltage Solutions, Pete's Well Drilling

**8. Driessen Farms**  
40289 Loughheed Highway, Deroche  
**Hosts:** Fred, Rose, Brad Driessen; Ben, Tracy, Noah Driessen  
**Phone:** 604.556.8810 or 604.854.2811  
**Contractors:** Aikema Enterprises, Lang Structural Engineering, Provost Trucking and Excavating, J & D Farmers Dairy Service, Doppenberg Electric, Fraser Valley Watersmart

**9. Lorenzetti Acres**  
58251 Laidlaw Road, Hope  
**Hosts:** John and Gerald Klop and Families  
**Phone:** 604.869.7167 or 604.869.5875  
**Contractors:** Mardina Construction, Kerkhoff Engineering, Fourth Dimension Construction, Pacific Dairy Centre, GEA, Artex Barn Solutions, J&D Farmers Dairy Service, Dieleman Electric, Fraser Valley Watersmart, United Agri Systems, Fraser Valley Refrigeration

**Visiting hours are from 10 AM to 4 PM.**  
**Lunch will be available from 11 AM to 2 PM, with thanks to Meinen Brothers, Lindhout Construction and Pacific Dairy.**

**Visiting hours are from 10 AM to 4 PM.**  
**A fundraising lunch for Haiti relief will be available from 11 AM to 2 PM.**

**Visiting hours are from 9 AM to 5 PM. Lunch will be available from 11 AM to 2 PM with thanks to West Coast Robotics and other participating contractors.**

**Visiting hours are from 9 AM to 2 PM.**

- first BC installation of two GEA Monobox robotic milking units which incorporate 3D time-of-flight camera with one-step attachment and in-liner cleaning, prepping, forestripping, quarterly discarding of milk, conductivity per quarter and post-dipping
- new Arntjen fan concept includes HVLS fans with magnetic drives (no gearboxes); can be mounted multi-directionally; has been used successfully in Europe for about ten years
- new Hetwin robotic feed pusher uses floor magnets for propulsion
- Bovi Cart for manual washing and treatment of hooves
- Arntjen LED lighting system manufactured in Holland
- Patz IntelliChain alley manure scrapers; Patz pump and agitator
- Urban MilkShuttle for convenient feeding of calves
- new free stall bed made from 100% virgin rubber made in Germany distributed by Legend Agricultural Solutions

- new Voluntary Milking System (VMS) barn with onboard somatic cell counter (OCC); milk diverted to convenient access room
- back flush incorporated into milking units
- Delaval 1600 gallon milk tank
- Delaval automatic foot bath; sort area
- Artex Y2K stalls with Northwest Rubber product with sawdust as bed
- Northwest Rubber in alley by feed bunk for cow comfort
- Delaval swinging cow brush;
- Rollomatic curtains: 6-foot-diameter ventilation fans
- Artex head lockers
- JOZ manure alley scrapers
- Jamesway flush flume system
- old hip roof barn removed for extra traffic manoeuvrability
- decorative 25-foot-high windmill installation by Corona Windmills

- three Lely A4 robots with MQC-II milk quality control to monitor fat, protein, milk color, temperature and milk speed/flow
- 176 sand-bedded freestalls; sawdust pack for 24 close-up cows
- MQC-C somatic cell count testing, Gravitor weigh floors, feed presence sensors and Titania liquid feed dispensers
- Lely activity and rumination for milking herd and heifers are managed with long distance monitoring equipment every two hours for optimization of heat detection and breeding times
- Lely cow brushes, feed pusher, and automated footbaths
- Miraco and BSM water troughs, Superior sand saver mats
- Secco curtains and chimneys adjusted with Maximus controls
- Jamesway Tube Rider V-Blade chain and box scrapers and pump

- double-15 all stainless Endurance herringbone parallel parlour
- parlour fully automated with DeLaval MM27 meters which monitor milk weight, conductivity, and blood measurement
- ear tag identification; sort gate; Exit Plus system
- claws incorporate ADF system (automatic dip and flush after milking); DeLaval heat detection monitoring
- 5000-gallon DeLaval milk tank; automatic stainless steel foot bath
- new cow barn incorporates a 4-row tail-to-tail layout with barn Artex Y2K stalls, Artex headlockers, SPI waterers, J&D Schedule 40 gates, JOZ feed pusher, and Delaval swinging cow brush
- JOZ alley scrapers; Jamesway pump for flush flume and manure transfer product from Faromor
- 6-foot-diameter ventilation fans move air to keep the cows cool and the barn air fresh

**Visiting hours are from 10 AM to 4 PM.**  
**Lunch will be provided between 11 AM and 2 PM, with many thanks to all businesses involved in the building project.**

- GEA Mag 90i double-16 parallel parlour by Pacific Dairy Centre
- other milking centre features include Apollo in-liner automatic post dip; integrated GEA wash and hygiene system; GEA CowScout activity and health monitoring system with neck tags for ID; Mueller 6000-gallon milk tank
- new barns incorporate sand bedding and Artex Y2K comfort stalls
- Artex UCP heifer barn stalls; Westward heavy duty crowd gate
- Artex headlockers, Northwest Rubber flooring
- SPI waterers; Rollomatic curtains, Faromor Clear Vu panels
- dual manure flush flumes with Nuhn pumps fitted with automated hydraulic valve controls; JOZ scrapers; gates/fencing by J & D
- sand settling lane incorporated for solids removal

