



1. D & R Wall Ltd.

Hosts: Dave and Rachel Wall and Family
 28412 River Road, Abbotsford
 Phone: 604.856.8856 or 604.309.9680 or 604.857.1039
 Contractors: West Coast Robotics, Lang Engineering, Kloot Construction, Mid Valley Manufacturing, Jonkman Equipment

NOTE: Visiting hours are from 9 A.M. to 4 P.M.

- new drive-through barn with 130 free stalls, pens for freshening cows, and calf pens
- two Lely *Astronaut A4* robotic operators
- Nedap heat detection system
- weighing floors; buffer tank; sorting gates
- Milk Quality Control – Somatic Cell Count Indicator (MQC-C) in-line tester measures bacterial health of each quarter
- Juno feed pusher provides feed for easy access at fence continuously
- equipment above supplied and installed by West Coast Robotics
- JOZ hoof sprayers by J & D Farmers Dairy Service
- stalls, gates and chain scrapers fabricated and installed by Mid Valley Manufacturing
- ventilation curtains, feed bins and flex augers to robotic milkers supplied by Jonkman Equipment



2. Legendairy Farm

Hosts: Doug, Don and Tyler Rennie
 4650 Glenmore Road, Abbotsford
 Phone: 604.851.2630 or 604.751.0088 or 778.878.1569
 Contractors: J & D Farmers Dairy Service, Lang Engineering, Elkview Construction, Artex Barn Solutions, Fraser Valley Water Smart, G.I.S. Electric

NOTE: Visiting hours are from 9 A.M. to 5 P.M. A complimentary lunch will be available from 11 A.M. to 2 P.M., with thanks to the Rennie family.

- new three-row drive through barn with two DeLaval Voluntary Milking Stations (VMS) with award-winning *Herd Navigator* milking cow management system; iodine back flush
- direct milk flow to bulk tank without collection vat
- milk sorting in separate room (away from flies); 3000-gallon DeLaval bulk tank; sort area for TLC and immediate attention
- barn emphasizes cow comfort with Artex *Y2K* stalls, Promat *Gel Mats*; 17-foot head-to-head stalls and 9-foot beds; alleys are 12 feet and 14 feet wide; Artex self-lockers, J&D custom gates
- 16-inch Jamesway manure pump, and automated flush flume with JOZ scraper system; J&D custom-built galvanized steel and fibreglass grate pit cover for safety; JOZ auto hoof sprayer
- *Cyclone* fans and *Roll-O-Matic* curtains for ventilation
- barn layout/equipment and sorting gate systems sold, installed and serviced by J&D Farmers Dairy Service Ltd.
- efficient LED lighting incorporated in cattle traffic and resting areas; costs with all lights on is \$2.26 for a ten-hour period



3. Prime Acres Ltd.

Hosts: Casey Pruim and Family
 6340 Beharrell Road, Abbotsford
 Phone: 778.242.2620
 Contractors: Meinen Brothers Agri-Services, WAM Inc., Van Reeuyk Construction, Dieleman Electric

NOTE: Visiting hours are from 9:30 A.M. to 4:30 P.M.

- manure separation system incorporates recent European technology in creating green bedding which has sawdust removed; dry bedding end-product is generated at a temperature of approximately 65°C or 150°F to inactivate pathogens
- setup designed and installed by Meinen Brothers with minimal changes to existing slatted floor; homogenized manure is collected from storage and then processed
- system includes SEPCOM 65 press, the only press of its kind with a center drain as well as an external drain
- first use of above-ground Sydex positive displacement worm delivery pump in Fraser Valley to deliver product to separator
- Vaughan start and siphon transfer pump and valve system used to move separated liquid to storage
- system also incorporates a Zabel material stacking conveyor with dual bay plow-offs and two dry storage heating bays
- system operates only when bedding is needed
- SEPCOM bedding manufactured by WAM Inc. in Texas, USA
- two JOZ-Tech robotic manure scrapers by J & D Farmers



4. Vulnaho Dairy Farm

Hosts: Jonathan & Riva Driesen and David Driesen
 1033 York Road, Abbotsford
 Phone: 604.864.0730 or 604.556.6884
 Contractors: Curtis and Company Contracting, J & D Farmers Dairy Service, Mid Valley Manufacturing, Pacific Dairy Centre, Artex Barn Solutions, Fraser Valley Water Smart

NOTE: Visiting hours are from 9:30 A.M. to 3 P.M.

- 35-year-old barn renovated to accommodate robotic milking
- two DeLaval *Voluntary Milking Stations* (VMS) installed in remodeled holding area and parlour
- VMS options include award-winning *Herd Navigator* system, iodine back flush, buffer tank and sort gates
- JOZ automated hoof sprayer at robotic station exits
- second generation JOZ-Tech robotic manure scraper incorporated to remove manure from slatted floors
- *Cyclone* fans for ventilation
- Artex *Y2K* free stalls; Promat *Pasture Mats* and *Premium Pads*
- design and remodeling done by farm owner and J & D Farmers Dairy Service
- custom gates fabricated and installed by J & D Farmers Dairy Service
- gating and welding done by Mid Valley Manufacturing
- DariTech *BeddingMaster* equipment installed by Pacific Dairy Centre



5. P.J.V. Farms Ltd.

Hosts: Peter & Janet Vink, Andrew & Jessica Vink, David Vink
 7281 Connor Road, Chilliwack BC
 Phone: 604.823.4771 or 604.798.4252
 Contractors: Kloot Construction, Mid Valley Manufacturing, Quantum Engineering, Pacific Dairy Centre, Neal's Electric, Fraser Valley Water Smart, Heppco Excavating

NOTE: Visiting hours are from 10 A.M. to 3 P.M.

- new 118' x 188' barn addition for milking cows and dry cows
- overall barn and expansion plan developed by the Vinks along with Mid Valley Manufacturing and Kloot Construction
- new barn is attached to existing barn with double-six Westfalia *I-90* parlour expandable to double-ten supplied and installed by Pacific Dairy Centre
- new barn has partial manure storage under the floors to accommodate existing manure channels
- manure system incorporates flush flume with a Houle pump for transport of manure to main storage pit
- equipment supplied by Mid Valley includes Beerepot chain scrapers, self-locking stanchions, safety neck rail and Mid Valley *Supercomfort* stalls
- free stall bedding incorporates Northwest Rubber pebble top rubber base with insert; sold and serviced by J & D Farmers
- existing barn remodelled for maternity pens and young stock

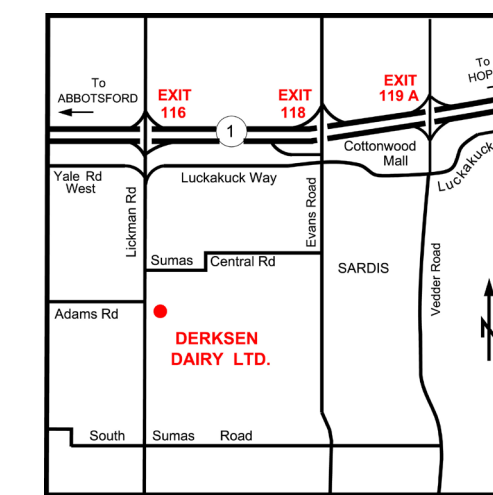
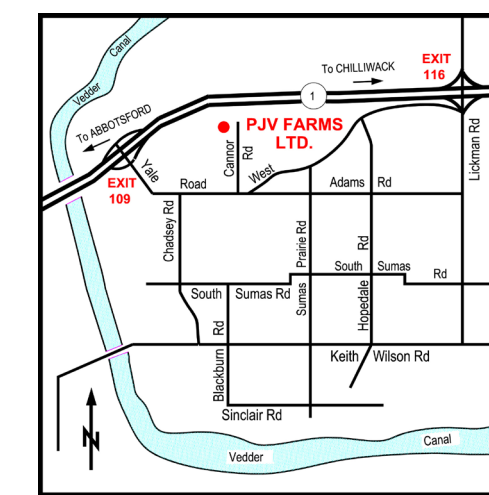
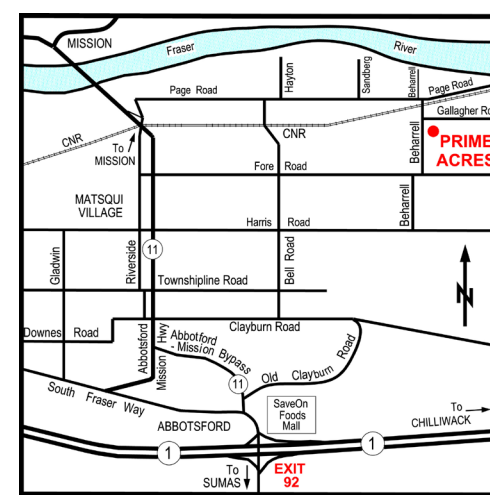
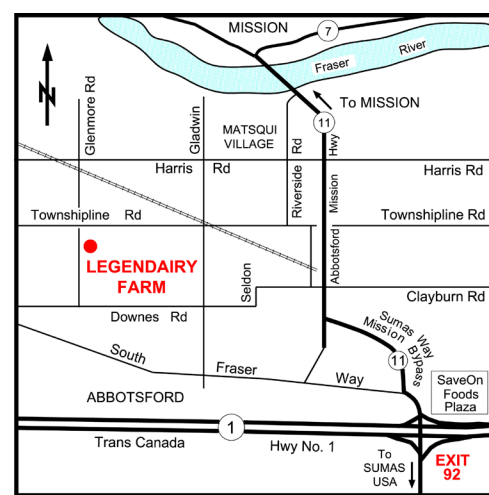
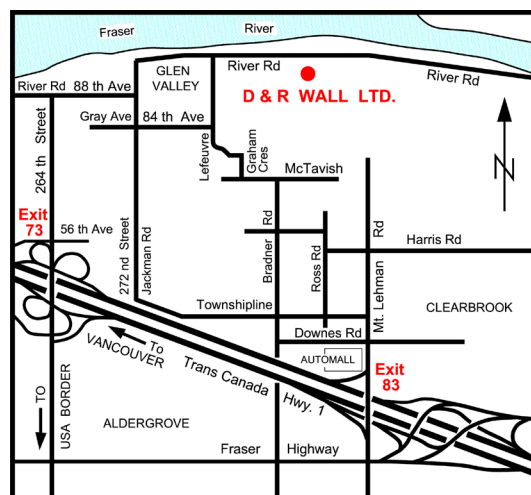


6. Derksen Dairy Ltd.

Hosts: Steve & Gail Derksen
 7028 Lickman Road, Chilliwack
 Phone: 604.858.0128 or 604.302.3881
 Contractors: Dual Kloot Construction, West Coast Robotics, Meinen Brothers Agri Services, Neal's Electric, Alpine Refrigeration, Fraser Valley Water Smart

NOTE: Visiting hours are from 9 A.M. to 4 P.M. A complimentary lunch will be available from 11 A.M. to 2 P.M., with thanks to West Coast Robotics and Dual Kloot Construction.

- one Lely *A4 Manager* robot for herd size of 55 milking cows
- first-ever back-of-barn project for West Coast Robotics
- equipment includes ruminant detection, weigh floors, M4Use separation buckets, and dual sort gates
- Lely *Cosmix* computer feeder
- BSM head locks; West Coast stables and free stalls
- DCC waterbeds; easy-fix meter mats for cow alley
- gate work and barn design by West Coast Robotics
- Mirafont insulated water troughs
- manure scrapers built and designed by Meinen Brothers
- manure scrapers are locally manufactured rope driven units which incorporate plastic greaseable corner wheels; scrapers are folding type with option of scraping straight or at 5% angle
- other equipment installed by Meinen includes Arntjen curtain walls and Vaughn flush flume pump



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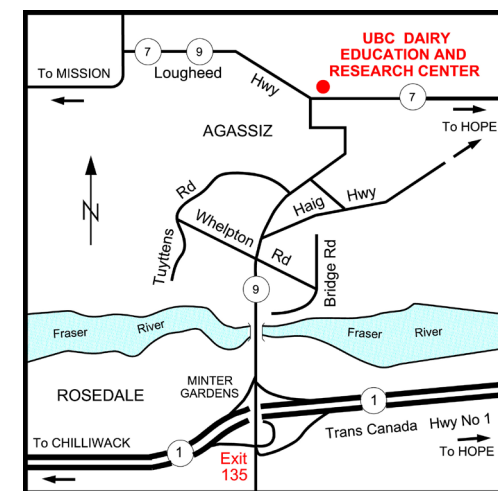


7. UBC Dairy Education and Research Centre

Manager: Nelson Dinn
6947 Lougheed Highway, Agassiz
Phone: 604.796.8410
Contractors: Pacific Dairy Centre, DariTech Inc., Quantum Engineering, Spaeti Construction Ltd., Peters' Electric

NOTE: Visiting hours are from 9 A.M. to 4 P.M. A complimentary lunch will be available from 11 A.M. to 2 P.M., with thanks to Pacific Dairy Centre.

- first DariTech installation in Canada which uses a sand cannon system to separate manure from sand for a barn with an alley manure scraper system
- system also incorporates a DariTech DT360 manure separator with an air bag-controlled roller press to extract as much fiber out of the manure as possible, allowing the resulting liquid to be reused in the sand cannon phase
- the system generates separated piles of end products which include clean recycled sand used for bedding in the free stalls, as well as fiber which can be used for composting and field application
- system is automated and operated by a PLC which could be monitored and adjusted on a cellular phone
- Insentec feed systems capture and monitor individual cow and heifer forage intake
- visitors are also welcome to learn about some of the latest research activities at the Centre

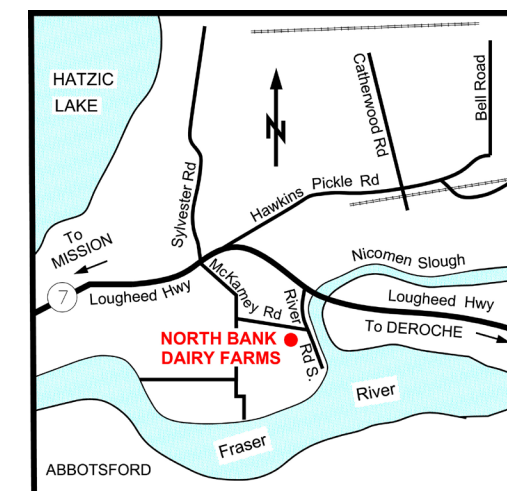


8. North Bank Dairy Farms Ltd.

Hosts: Rick & Teresa Dekker, Richie & Ashley Dekker, and Doug & Ashley Dekker
37190 McKamey Road, Dewdney, BC
Phone: 604.826.2419 or 604.615.2682 or 604.615.2796
Contractors: J & D Farmers Dairy Service, Lang Engineering, Aikema Enterprises, Artex Barn Solutions, Pacific Dairy Centre, Fraser Valley Water Smart, G. Watt Electric

NOTE: Visiting hours are from 10 A.M. to 3 P.M.

- new barn, dairy and milking parlor
- double-15 DeLaval stainless steel *Endurance* milking parlour with award-winning *Herd Navigator* system
- 30 HD DeLaval milkers, remote start, exit plus system
- *Usher* crowd gate and sort gate
- barn has Artex Y2K head-to-head free stalls measuring 17 feet in length
- efficient LED lighting installed in cattle traffic and resting areas
- *Foam Mats* for free stall bedding
- Artex self-lockers, J&D Farmers Dairy Service custom gates
- *Cyclone* fans and *Roll-O-Matic* curtains for ventilation; system includes five-foot curtain at roof peak
- closed loop *BioLynk* flush system including tanks and valves installed by Pacific Dairy Centre



PACIFIC AGRICULTURE SHOW

B.C. DAIRY EXPO FARM TOURS

Wednesday, January 29, 2014

The following eight farms are participants in the 2014 Dairy Expo open house. Visiting hours are noted inside this brochure along with the maps and main technical features for each stop. Lunch will be available from 11 A.M. to 2 P.M. at three of the host farms: Legendairy Farms in Abbotsford, Derksen Dairy in Chilliwack, and the UBC Dairy Education and Research Centre in Agassiz. Owners, building contractors and equipment suppliers will be on hand to answer questions you may have. For further tour information, please call John Luymes at the Ministry of Agriculture in Abbotsford at 604.556.3114.

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| 1. D & R Wall Ltd. | Abbotsford |
| 2. Legendairy Farm | Abbotsford |
| 3. Prime Acres | Abbotsford |
| 4. Vulnah Dairy Farm | Abbotsford |
| 5. P. J. V Farm | Chilliwack |
| 6. Derksen Dairy Ltd. | Chilliwack |
| 7. UBC Dairy Education and Research Centre | Agassiz |
| 8. North Bank Dairy Farm | Dewdney |

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. The greatest appreciation goes to the farm hosts themselves. Their willingness each year to accommodate visitors and showcase their facilities and equipment makes the field day a popular event on the agricultural calendar.

Biosecurity is an increasingly important consideration on dairy farm tours and your respect for such concerns is requested by using the plastic boots provided.