

Conference Program

MONDAY SEPTEMBER 12

8:30 to 10:00

1. **Welcome and recognition of conference sponsors.**
2. **A portrait of Canadian carrot production.**
3. **Carottes and carrots: tracing the origin!** L. BRODEUR.

10:00 to 10:30 *Coffee break*

10:30 to 12:00

4. **Control of environmental conditions for carrot storage: Why and how?** C. VIGNEAULT, N.R. Markarian, M.T. Charles.
5. **Impact of crop management on Sclerotinia rot, foliar growth and yield of carrots in Prince Edward Island.** R.D. Peters and K.R. SANDERSON.
6. **Comparison of key nutritional components of selected carrot cultivars grown in Alberta.** C. NEESER and D. Driedger.

12:00 to 13:30 *Lunch*

13:30 to 15:00

7. **Evaluation of fungicides for control of cavity spot in a disease nursery.** J. FARRAR.
8. **Current researches performed at INRA on soil-borne diseases of carrot.** F. MONTFORT, D. Breton, C. Béasse and F. Suffert.
9. **Impact of three *pythium* species on growth and development of carrot.** D. BRETON, C. Béasse, M. Prunier and F. Montfort.
10. **Influence of trimming of the carrot canopy on leaf blight severity, fungicide efficacy and development of apothecia of *Sclerotinia sclerotiorum*.** M.R. MCDONALD, K. Vander Kooi, M.H.Y. Hovius and G.J. Boland.

15:00 to 15:30 *Coffee break*

15h30 to 17:00

11. **Updating the development of an IPM program for carrot leaf blight management in New York.** B.K. GUGINO, G.S. Abawi, and J.W. Ludwig.
12. **Pyramiding IPM Strategies for Improved Management of Carrot Foliar Diseases.** P.M. ROGERS and W.R. Stevenson.
13. **Effect of onion and winter cover crops on *Meloidogyne hapla* densities and subsequent carrot yields.** G. BÉLAIR and Y. Fournier.
14. **Sensitivity of carrots grown in organic soil to mechanical cultivation.** D.L. BENOIT, M. Bélanger and F. Gorrias.

18:30 *Cocktail and social hour*

19:00 to 21:30 *Banquet*

TUESDAY SEPTEMBER 13

8:30 to 10:00

1. **Bioclimatic modeling of carrot phenology from seeding to root harvest.** G. BOURGEOIS, D. Plouffe, D. Choquette and N. Beaudry.
2. **Leaf-morphological characterization of *Daucus carota* ssp. and possible application in carrot breeding.** T. NOTHNAGEL, R. Ahne, P. Straka and F. Ehrig.
3. **Identification of duplicates for the optimization of carrot collection management.** V. Le Clerc, A. Sue and M. BRIARD.
4. **Progress in genetics and mapping of carrot.** T. NOTHNAGEL, O. Schrader, P. Straka, A. Kielkowska, K. Gladysz, E. Grzebelus and D. Grzebelus.

10:00 to 10:30 *Coffee break*

10:30 to 12:00

5. **Evaluation of carrot resistance to *Alternaria* Leaf Blight in controlled environments.** M. BRIARD and A. Pawelec.
6. **Carotenoid gene expression in developing carrot roots.** M. Rivera, P.W. SIMON.
7. **Molecular characterisation of different aroma types in *Daucus*.** P. STRAKA, T. Nothnagel and D. Ulrich.
8. **Carrot Pigments are Bioavailable and Under Complex Genetic Control.** P.W. SIMON, S.A. Tanumihardjo, B.A. Clevidence, J. A. Novotny, S.J. Britz and M. McGiffen.

12:00 to 13:30 *Lunch*

13:30 to 15:00 *Poster session*

Incidence and severity of cavity spot on carrots with different pigments grown under different weather conditions.

M.R. McDonald, K. Vander Kooi and P.W. Simon.

Identification and differentiation of plant pathogenic fungi.

P. Straka, T. Nothnagel, F. Rabenstein and R. Krämer.

Field validation for a proposed forecast model for *Sclerotinia* rot of carrot.

A.J. Foster, M. R. McDonald and G. J. Boland.

Effect of three cropping factors on secondary infection in a carrot cavity spot epidemic.

F. Suffert, D. Delalande and F. Montfort.

Use of biofumigation in carrot culture for controlling soilborne pathogens.

F. Villeneuve, G. Maignien, C. Janvier and C. Steinberg.

Nitrogen rate influences development of alternaria and cercospora blight of carrots.
S.M. Westerveld, M.R. McDonald, and A.W. McKeown.

Changes in quality of heat treated carrot during long term storage.
M.T. Charles, C. Vigneault, B. Goyette, I. Lemay, D. Roussel.

Carrots: Potential as a Nitrogen Catch Crop?
S.M. Westerveld, M.R. McDonald and A.W. McKeown

Effect of Hydra-lime Plus on nutrient content, yield and storage of fresh pack carrots in Prince Edward Island.
K.R. Sanderson and S.A. Wyand.

Damage and management of the northern root-knot nematode on carrots in New York.
B.K. Gugino, G.S. Abawi and J.W. Ludwig.

Drought tolerance mechanisms in carrot slicer varieties.
P. Joy and R. Lada.

Maturity, yield and quality modeling for processing carrots.
A. Stiles, R. Lada

Morphology, inheritance and mapping of a yellow leaf mutant of carrot *Daucus carota* L.
T. Nothnagel and P. Straka.

The COMPRESSED LAMINA (COLA) mutant of carrot: Morphology, inheritance and mapping.
T. Nothnagel, R. Ahne and P. Straka.

WEDNESDAY SEPTEMBER 13

Field tour

8:30	Depart Sandman Hotel, Longueuil
9:00 to 10:00	La Carottine, Saint-Rémi. Baby carrots plant.
10:00 to 11:00	To be confirmed
11:30 to 13:00	Sainte-Clotilde experimental farm, Agriculture and Agri-food Canada. Lunch and visit of the site.
13:30 to 15:30	Cams "Terre Noire" Field trials Visit of the packaging plant
15:30 to 16:00	Travel to Sandman Hotel, Longueuil