

Registration Data Summary After Check Cultivars have been Changed

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ECORC-AAFC

The current practice

- Checks used are those that were official when a new line was first tested (i.e., in the starting year)

Problems with the current practice

- The checks do not reflect the current variety level
 - New varieties are for future use, not for the year they it was first tested
 - e.g. Sherwood becomes very low yielding in southern Ontario after its resistance to crown rust was defeated.
- Too many checks (old and new) must be grown if new and old entries are tested in the same trials
 - The old set of checks for old entries
 - The new set of checks for new entries
 - This is a waste of resources

Proposed Solution

- Each year, only current, officially proved checks are used
- New lines are compared to the mean or the max of the checks, rather than to individual checks

Example

Ontario (Rust Area)	Bradley (CK since 2011)	Manotick (CK)	Rigodon (CK)	Sherwood (CK before 2011)	Check Mean	Check Max	Candidate: OA1250-1	Over CK Mean	Over CK Max
Beachburg ON_2011	3010	2652	3209		2957	3209	3149	1.06	0.98
Eganville ON_2009		2346	2594	3317	2752	3317	3758	1.37	1.13
Nairn ON_2009		3398	3674	2502	3191	3674	4763	1.49	1.30
Nairn ON_2010		4361	3472	4840	4224	4840	4010	0.95	0.83
Nairn ON_2011	7645	7934	8352		7977	8352	9620	1.21	1.15
Ottawa ON_2009		4593	4798	4760	4717	4798	4099	0.87	0.85
Ottawa ON_2010		4152	4415	4425	4331	4425	4069	0.94	0.92
Ottawa ON_2011	2820	2468	2908		2732	2908	2139	0.78	0.74
Palmerston ON_2009		6137	5655	5800	5864	6137	6119	1.04	1.00
Palmerston ON_2010		3237	2940	3134	3104	3237	4633	1.49	1.43
Palmerston ON_2011	5393	4203	4165		4587	5393	4884	1.06	0.91
St Marys ON_2009		2344	1864	1183	1797	2344	2706	1.51	1.15
St Marys ON_2010		1670	2044	893	1536	2044	3375	2.20	1.65
St Marys ON_2011	4410	4443	4047		4300	4443	4761	1.11	1.07
Mean					3862	4223	4435	1.15	1.05