

**2019 GUIDELINES
FOR TESTING PERFORMANCE OF
ONTARIO SOYBEAN CULTIVARS**

***Ontario Soybean Public Trials:
Ontario Conventional Soybean Trial
Ontario Glyphosate Soybean Trial***

**Provided through the
ONTARIO SOYBEAN AND CANOLA COMMITTEE (OSACC)**

***These guidelines involve the implementation of decisions made at meetings of the Ontario Soybean And Canola Committee (OSACC) over a number of years.
If any errors or omissions are noted, they should be brought to the attention of the soybean coordinator.***

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1. Introduction

The Ontario Soybean Trials (OST) are public trials conducted by research institutions in Ontario through the Ontario Soybean And Canola Committee (OSACC). The purpose of the Ontario Soybean Trials is to obtain agronomic, pest, disease, and quality information from oilseed varieties for use in preparing a performance report of varieties. Soybeans used for food such as Food Grade varieties are included in the trials for industry information only.

The OSVT are divided into two separate sets of trials; the Ontario Conventional Soybean Trials (**OCST**) and the Ontario Glyphosate Soybean Trials (**OGST**), each grown at the same locations.

OSACC conducts performance testing of entries registered by CFIA, or certified by CSGA, or experimental for a fee.

Entries may only be entered in the Ontario Soybean Variety Trials (OSVT) through a Canadian sponsor. The performance of registered and certified varieties is published in a brochure format entitled 2019 Report, Ontario Soybean Variety Trials and on the OSACC website, www.GoSoy.ca which are available in late November.

2. Membership

The Ontario Soybean And Canola Committee (OSACC) is comprised of individuals from the following public and private soybean groups:

- Canadian Seed Trade Association (CSTA)
- CSTA Researchers
- Ontario Agricultural College, University of Guelph (OAC)
- Ontario Canola Growers' Association
- Ontario Seed Growers Association (OSGA)
- Ontario Soil and Crop Improvement Association (OSCIA)
- Grain Farmers of Ontario (GFO)
- Canadian Certified Crop Advisor Association (Ontario)
- Ontario Ministry of Agriculture, Food and Rural Affairs
- Research and Development Centre, Harrow - Agriculture & Agri-Food Canada (HRDC)
- Research and Development Centre, Ottawa - Agriculture & Agri-Food Canada (ORDC)
- Ridgetown campus of the University of Guelph (UGRC)
- Variety Registration Office - Canadian Food Inspection Agency (VRO)

3. Meetings

Annual meetings of OSACC are held during the latter part of January to discuss research reports, trial results and changes or modifications to the testing program. Other meetings may be called as necessary. A quorum is defined as **50%** of the membership of OSACC. Voting is conducted by show of hands unless a secret ballot is requested. All members will vote on all motions unless a conflict of interest is declared. Individuals who are not members of OSACC but are interested in the proceedings of these meetings may attend as observers with the permission of the OSACC Main Committee Chair, Mr. Albert Tenuta, OMAF. **Main committee and research review annual meetings are held near the end of January each year.** An annual Ontario Soybean Tour of public trial sites is held in September (see Annex 1).

4. Entry of Lines in Public Trials

4.1 Trial Sites and Co-ordinators

Trial sites for OST in 2019 are given in Table 1.

TABLE 1. Trial Sites and Co-operators for Ontario Soybean Trials – 2019

Heat Unit Zone/ Maturity Group	Location	Co-operator	Heat Units Available*	Row Width (cm)	Rows per plot
Early MG 00 (00.1 to 00.3) (2200 CHU) (only RR)	New Liskeard	U of G - New Liskeard	2200	56	3
MG 00 (00.2 to 0.1) (2400 CHU) (only RR)	Dundalk	Kent AG Research Inc	2400	56	3
	Arthur	Kent AG Research Inc	2500	56	3
	Elora	OAC	2550	35	4
MG0 (0.1 to 1.1) (2600 CHU)	Elora	OAC	2550	35	4
	Brussels	Kent AG Research Inc	2550	56	3
	Ottawa	ORDC	2750	40	4
	Port Hope	Kent AG Research Inc	2850	56	3
MG1 (0.8 to 1.8) (2800 CHU)	Woodstock	OAC	2700	35	4
	Exeter	RCUG	2900	38	6
	Winchester	KCUG	2825	35	4
	St Marys	OAC	2900	35	4
Early MG2 (1.7 to 2.7) (3100 CHU)	Talbotville (loam)	Kent AG Research Inc.	2900	56	3
	Palmyra (clay)	RCUG	3000	43	5
	Inwood (clay)	RCUG	3050	43	5
	Ridgetown (loam)	RCUG	3250	43	5
Late MG2 (2.1 to 3.2) (3400 CHU)	Chatham (loam)	RCUG	3300	43	5
	Merlin (clay)	RCUG	3300	43	5
	Woodslee (clay)	HRDC	3400	46	5
	Malden (loam)	HRDC	3500	46	5

*Crop heat units

Co-ordinators for Individual Test Areas are as follows:

<u>Maturity Group (MG)</u>	MG Zone Coordinators
Crop Heat Units (CHU)	Name and Address
Early MG00 (2200)	Dr. Elroy Cober,
MG00 (2400)	Ottawa Research and Development Centre (ORDC)
MG0 (2600)	Agriculture & Agri-Food Canada
	960 Carling Ave, Bldg # 110
	Ottawa, Ontario K1A 0C6
	elroy.cober@canada.ca

MG1
2800 Dr. Istvan Rajcan
Department of Plant Agriculture (OAC)
Crop Science Bldg
University of Guelph
50 Stone Road East
Guelph, Ontario N1G 2W1
irajcan@uoguelph.ca

Early MG2
3100 Dr. Milad Eskandari
Ridgetown campus - University of Guelph
210 Main Street East
Ridgetown, Ontario N0P 2C0
meskanda@uoguelph.ca

Late MG2
3400 Dr. Kangfu Yu
Harrow Research and Development Centre (HRDC)
Agriculture & Agri-Food Canada
2585 County Rd 20
Harrow, Ontario N0R 1G0
kangfu.yu@canada.ca

Seed Distributors:

Kent Ag Research Inc.
11812 Wabash line
Thamesville, ON N0P 2K0
kentag@bell.net
Att: John Nevills

Nathan Mountain
New Liskeard Ag. Res. Station
340 Armstrong St., Box 6007
New Liskeard, ON, P0J 1S0
nmountai@uoguelph.ca

Holly Byker
12088 Baker Road,
Winchester ON K0C 2K0
hbyker@uoguelph.ca

Ashley Wragg
AAFC - Harrow RDC
2585 County Rd 20
Harrow, Ontario N0R 1G0
ashley.wragg2@canada.ca

4.2 Criteria for Acceptance of Entries

i) Canadian Sponsor

Entries may only be entered in the OST through a Canadian sponsor located at a Canadian address. A Canadian sponsor will be an individual or organization involved in an agricultural endeavour in Canada, either public or private.

ii) Seed Requirements

Entries with de-regulated traits that have stewardship requirements or special handling requirements will not be eligible for entry into public trials.

iii) Additional entry conditions

Each test variety may be entered in more than one MG zone, provided the entry test fees are paid for each MG zone entered for that test variety.

iv) Number of Entries

Any one sponsor may enter ten (10) entries for the OCST and ten (10) entries for the OGST for each MG zone in 2019. Sponsors are allowed a maximum of 20 entries in each OSVT MG zone.

v) Germination Requirement

A germination of 85% will be assumed unless germination testing information to the contrary is provided by the source supplying the seed.

vi) Seed Treatment (New)

Starting in 2019, fungicide seed treatments will be supplied by the seed sponsors.

The seed distribution protocol and Timeline Dates are outlined below.

Seed Sponsors can contact the MG Zone Coordinators responsible for the required MG trial location seed as outlined in the following seed distribution list concerning timelines and methods.

Seed number per envelope will be printed on envelopes as well as other essential information by the MG Zone Coordinators.

Sponsors will send filled seed envelopes to each matching Trial Cooperator indicated on the following table (courier addresses can be found listed on Gosoy.ca - Entry Form tab):

HUZ	Maturity Group	Trial Locations	Trial Cooperator	2019 Send Seed To:
2400	MG 00	Dundalk	Kent AG	Kent Ag
2500	MG 00	Arthur	Kent AG	Kent Ag
2550	MG0	Brussels	Kent AG	Kent Ag
2850	MG0	Port Hope	Kent AG	Kent Ag
2200	Early MG 00	New Liskeard	NLUG	N. Mountain
2750	MG0	Ottawa	ORDC	Cober
2550	MG 00	Elora	OAC	Rajcan
2550	MG0	Elora	OAC	Rajcan
2700	MG1	Woodstock	OAC	Rajcan
2900	MG1	St Marys	OAC	Rajcan
2900	MG1	Exeter	RCUG	Rajcan
2825	MG1	Winchester	KCUG	Byker
2900	Early MG2	Talbotville (loam)	Kent AG	Eskandari
3000	Early MG2	Palmyra (clay)	RCUG	Eskandari
3050	Early MG2	Inwood (clay)	RCUG	Eskandari
3250	Early MG2	Ridgetown (loam)	RCUG	Eskandari
3300	Late MG2	Chatham (loam)	RCUG	Eskandari
3300	Late MG2	Merlin (clay)	RCUG	Eskandari
3400	Late MG2	Woodslee (clay)	HRDC	Yu
3500	Late MG2	Malden (loam)	HRDC	Yu
	All Zones	Phytophthora Trial	HRDC	A. Wragg
	All Zones	White Mold Trial	KCUG	Byker

Treatments:

Sponsors may treat their seed with ONLY FUNGICIDES.

Choices of acceptable fungicides include:

Apron Maxx RTA

Vibrance Maxx

Evergol Energy

Aceleron basic

No Seed Treatment (NST).

Seed treatments that will **not be accepted** for use on OSACC soybean variety entries are any type of insecticides, nematocides and biological controls or other non-fungicide type chemicals. Fungicide seed treatments **must be registered** in order to be accepted for use on OSACC variety trials. Sponsors will provide the name of the seed treatment on their entry forms and these will be available on the entry form drop box and added to seed envelopes.

Timeline Dates for entry and seed treatments – all midnight deadline dates are firm.

Step 1-**March 1-17**

Sponsors to submit variety entries to OSACC trials by completing OSACC Gosoy.ca entry forms. Deadline date to submit entries is no later than midnight March 17.

Step 2-**March 18 - April 1**

Entry lists for each MG trial to be available on Gosoy.ca and statistically randomized. Envelopes labelled as outlined below and shipped to Sponsors for entry seed filling **no later than** midnight April 1.

Envelopes to be arranged by variety.

MG Zone Coordinators will assume cost of shipping envelopes.

Step 3-**April 2-15**

Sponsors to receive labelled **envelopes** from the MG Zone Coordinators.

Sponsors are to fill envelopes with entry seed for each trial location and **send filled envelopes to the MG Zone Coordinators and Trial Cooperators (see Seed distribution Table above) no later than midnight April 15.**

Sponsors assume the cost of shipping filled seed envelopes.

Step 4 -**April 16- May 2**

MG Zone Coordinators are responsible to ensure MG seed envelopes were delivered to the applicable Trial Cooperators on time.

All Trial Cooperators arrange seed envelopes in plot design order for each trial location and prepare for planting in optimum field soil and weather conditions.

OSV Entry Envelopes to contain the following label information:

MG Zone -
Trial Location and RR or Con -
Variety name –
Seed sponsor name -
Plot number -
Number of Seed –
Seed treatment -

Phytophthora Trial - All PRR envelopes must contain - 50 seeds/entry X 4 envelopes of seed per entry. Total seed required per entry will be 200.

MG Zone Coordinators will arrange to collect seed for the Phytophthora Trials for their corresponding MG's by printing seed envelopes as follows:

PRR Envelopes to contain the following label information:

Phytophthora trial – untreated seed only
MG Zone -
Variety name -
Seed sponsor name –

After receiving filled envelopes MG Zone Coordinators will send seed to:
Ashley Wragg, AAFC, 2585 County Rd 20, Harrow ON N0R 1G0

White Mold (WM) testing (optional) - Holly Byker will arrange seed envelope printing, mailing and collection of white mold seed envelopes. Send filled seed envelopes directly to Winchester.

WM Envelopes to contain the following label information:

White Mold trial – untreated seed only
MG Zone -
Variety name -
Seed sponsor name –

Send individual packages of untreated seed as follows:
200 seeds/entry X 4 seed envelopes per entry (will only grow at one location this year). Total seed requirement will be 800 seeds.

Send seed to: **Holly Byker, 12088 Baker Road, Winchester ON K0C 2K0**
****note change in address from previous years**.**

vii) Information for Entry Forms

Entry forms will be available on the OSACC website (www.GoSoy.ca). Information for each MG Trial Entry list can be referenced on the GoSoy.ca member's area.

Sponsors are required to mark the check box at the beginning of the entry form indicating that they will

accept the conditions of the security agreement as outlined in the OSVT Guidelines, Section 4.3 (i) Security of Entries.

If an entry is made under a name or number different from that used previously, both names or numbers must be listed as well as trial year, at the time that the entry application is made. Please indicate if an entry is a backcross-derived strain of a variety recommended in Ontario.

Entry Forms must include descriptive information on flower colour, pubescence colour and hilum colour. Any Phytophthora resistance (Rps) genes known to be present in a line should be identified. Information in the "Exname" column is hidden except for Coordinator reference.

When submitting a Food Grade entry for inclusion in the OCST, sponsors must indicate that it is a Food Grade entry and indicate its distinctive attributes. Sponsors should include the CSGA Certificate of Eligibility for Certification number on the entry form; food grade entries lacking this number will be entered as (EXP) entries submitted for performance, testing and charged the higher fee.

Sponsors may elect to mark a check box on the entry form indicating that they wish to have the PBR 91 or the PBR 91 pending logo attached to their variety name. The PBR 91 logo will be attached and illustrated on Table 1 for the November review by sponsors and will offer another opportunity for the sponsor to elect the application of the logo to the sponsor's variety.

Seed treatment product identification is mandatory and is made by using the drop down box.

viii) Blends and Brands

Blends of soybean varieties will not be accepted in the Ontario Soybean Trials. Only pure-line material which will potentially enhance the choice of cultivars for Ontario growers will be acceptable.

Some U.S. companies market soybeans as Brands, which may not be the same variety each year. Such brands will not meet CFIA registration standards. Canadian representatives should ensure that entries are varieties rather than brands.

ix) Conventional herbicide entries in OCST

All entries in the Ontario Conventional soybean trials must be non-glyphosate resistant.

x) Deadline for Entries and Seed Submission

Entry forms completed on the website (www.GoSoy.ca) will automatically be forwarded to the appropriate coordinators and entry lists.

Entry forms for performance evaluation for each zone should be **completed by midnight March 17, 2019.**

4.3 i) Security of Entries

OSACC conducts soybean variety trials in Ontario as an information source for the soybean industry. Its main goal is to compare variety agronomic performance in specific maturity zone test sites across the province. OSACC does not develop intellectual property or make patent applications on the information it collects. Its primary interest is to provide producers a relative comparison of similar soybean varieties for yield and variety characteristics.

Seed of entries will be used only for the indicated trial purposes. Seed and/or pollen will not be used for breeding purposes by the trial co-operators, nor will they be given out to unauthorized individuals, except under conditions specified by the sponsoring company, institution or individual. Sponsors are asked to notify the Soybean Coordinator in writing before the submission deadline if individual companies/institutions have further restrictions on their genetic material.

ii) Canadian Food Grade Database

Contacts: Dr. Lorna Woodrow, lorna.woodrow@agr.gc.ca : Dale Anderson, dale.anderson@agr.gc.ca

Seed of Food Type and dual purpose soybean varieties from the Ontario Conventional Soybean Trials (OCST) which are registered or have a CSGA Certificate of Eligibility for Certification number will be analyzed for compositional quality for inclusion in a public Canadian Food-Grade Soybean Database on the OSACC website – www.GoSoy.ca .

Only the varieties of those sponsors who have consented to have their varieties included will be reported on the GoSoy.ca website. If your organization wishes to have your varieties included for the 2019 crop year, please be sure to indicate this when completing your Entry Form.

Soybean composition is determined on samples from individual trial plots and means and ranges are included in the tables for each parameter. The Food Grade Database Team provides sample containers for a sub-sample from each harvested plot. All of the cooperators and their staff are extremely diligent in supporting this protocol.

4.4 Entry Fees

The Ontario Soybean And Canola Committee will send invoices to sponsors in July, 2019 for payment of their entries based on the following fee schedule plus the Harmonized Sales Tax (HST). Applicable fees are as follows:

Code	
R	Cultivars registered or “Eligible for Certification (Form 300)” in Canada by March 20, 2019 - \$460 cost (\$300 fee to be paid by sponsor and \$160 of services provided by testing institution).
EXP	Experimental entries submitted for performance testing, limited to 12 entries per sponsor in each relative maturity zone - \$550 to be paid by sponsor.

The above fees apply to the MG0, MG1, Early MG2 and Late MG2 zones which have 4 locations each. Fees for the Early MG00 zone (1 location) will be invoiced at 25% of the above rates and fees for the MG00 zone (3 locations) will be invoiced at 75% of the above rates.

Voluntary White Mold Trial fee is an additional \$70 (2019 Trial moved to Winchester).

Seed sponsors that enter entries into a maturity group and are not able to supply seed to the seed distributors in a timely manner and do not cancel the entry request in time to meet deadline dates as determined by the MG co-ordinator will be required to pay the full entry fee. The missing entries will be replaced with fillers by the MG Zone coordinator.

5. Public Trials

5.1 OSV Trial Profile:

The Ontario Soybean Variety Trials (OSVT) are conducted across Ontario by MG Zone Coordinators/Trial Cooperators at various research facilities, and farm locations. For the MG00E (2200), MG00 (2400), MG0 (2600), MG1 (2800), MG2E (3100) and MG2L (3400 HUZ) four Public Registration/Performance trials per Maturity Group will be grown. **Entries will be categorized as**

Registered performance entries if registered by **March 1, 2019**.

Zone Coordinators and Trial Cooperator Guidelines: Zone Coordinators and Trial Cooperators are required to obtain optimum trial site conditions with minimum risks and equal opportunity for testing soybean genetic performance in regional farm field environments.

Field locations for testing OSV must have uniform soil types for soil specific trial locations ex: clay vs loam soil types; field topography needs to be level with no undulating low and high areas that do not drain quickly; trial locations need to be tiled with uniform drainage characteristics; and all plot borders should be a minimum of 12 meters from any treed fence rows and buildings. Trials are managed using accepted best management agronomic practices and the utmost care should be taken to ensure any crop management is uniformly applied to all trial entries.

Planting and harvesting dates must be closely aligned to surrounding regional grower field operations in order to meet BMP standards. Trial locations should not be harvested later than October 31.

Application of fungicides and insecticides are to be discussed with the MG Zone Coordinator for approval. All chemicals applied to trial plots must be registered and applied at recommended package label rates.

OSACC does not guarantee that all trial locations will be accepted for publication purposes since factors out of the control of OSACC such as weather extremes, etc. may influence the outcome of trials. Fees for invalid trials deemed to be the result of mismanagement will be returned. Fees for invalid trials which, in the opinion of OSACC, were caused by events beyond the control of the trial co-operator, will not be returned.

Herbicide Management. The OSV public trials are divided into 2 separate trials, the OCST and the OGST, based on herbicide management. The OCST, with only standard (glyphosate susceptible) non-GMO varieties will be grown using standard management methods and recommended herbicides (non-glyphosate herbicides) and the OGST will have transgenic varieties only, using standard management methods and glyphosate herbicides applied according to label recommended rates and plant growth stages.

Maturity of Candidates. OSACC does not want to extend the maturity (on the late side) of the entries in the tables in the annual Ontario Soybean Variety Trial Report. The coordinator will identify anomalies each year in the MG tables to indicate the preferred late cultivars in each table.

Prior to entry of a line in a MG trial, **the sponsor** should have Ontario maturity test data which would support that the entry would mature no later than the preferred late cultivars in the intended MG Table in which it is to be entered.

The zone trial cooperator will have the discretion to determine maturity status of the late entries in relation to surrounding entry maturities and if it is determined (after alerting sponsor) that an entry(s) in a trial is sufficiently late to impair the timely harvest of the trial then the entry will be averted and trial will be harvested.

After analysis of data from the first year in the trial, if an entry is later than any entry in the published corresponding MG table, then the MG zone coordinator will contact and alert the sponsor that the entry might be in the wrong MG zone trial. If the sponsor re-enters the late cultivar in that trial and it is later than any other registered entry in the MG table, at the coordinator's discretion, the data would not be published.

5.2 Data Collection, Analysis, and Distribution

All Public trials shall have a minimum of three (3) replications/location with entries randomized in an experimental design suitable for the number of entries.

Data for yield, maturity, plant height, lodging, flower, pubescence and hilum color, oil and protein

content, and grams per 100 seeds will be collected in all Public trials. Food Grade Entries in the OCST, the varieties of those sponsors who have consented to have their varieties included will be analyzed for compositional quality for inclusion in a public Canadian Food Type Database on the OSACC website GoSoy.ca. Other variables such as height of pods, seed quality and disease or pest incidence may be recorded in some trials.

Yield should be reported as kg/ha at 13% moisture. Maturity should be recorded as days from planting to the date when 95% of the pods have ripened. Delayed leaf drop and green stems are not considered when assigning maturity. Oil and protein are reported on a dry matter basis and are obtained with an NIR whole-grain analyzer.

5.3 Evaluation of Special Attributes

(i) Phytophthora Root Rot. All public test entries will be tested at the Woodslee Phytophthora trial area by the Harrow research centre field crop pathology lab for field tolerance to prevalent races of root rot caused by *Phytophthora sojae*. Field tolerance will be determined by the percentage of plants killed by the disease in the field after emergence.

Seed will be provided in labelled packages collected for each MG by each MG Zone Coordinator.

Race specific resistance is not determined; this information is to be supplied by the sponsor if available. Companies or institutions that wish to have a variety/line identified as having specific gene resistance to phytophthora in the annual Ontario Soybean Variety Trial reports should indicate the specific resistance gene(s) on the entry form. Trial fee is allocated from part of the total entry fee for each variety.

(ii) White Mold Testing. Sponsors may submit varieties for testing for white mold (*Sclerotinia sclerotiorum*) on a voluntary basis on the entry forms.

White mold trial has moved to Winchester in the MG1 zone for 2019. Trial varieties will be tested at local field site under local weather moisture conditions and localized natural inoculum. Fees are \$70.00 per entry and are invoiced in July. Year end results are reported to participating sponsors and on the GoSoy.ca white mold web page if infection is adequate.

(iii) Soybean Cyst Nematode. **No SCN testing of resistant varieties in 2019.**

5.4 Inspection of Trials and Valid Trials

Public Trials will be inspected by members of OSACC. Inspections will be made by representatives of institutions other than those conducting the trial.

Problems with variety trials should be reported in writing (email) by the Sponsor to the appropriate MG zone Coordinator in a timely manner as soon as the problem is detected. Sponsors must understand that a request to drop two or more trial sites for a MG zone Table for a variety because of stand problems etc will have to drop all variety entry trial sites for that specific variety in that MG zone ie: dropping specific trial plots from a MG zone is not acceptable.

Sponsors observing poor emergence for a specific variety seed lot may drop the entry from the MG zone that the variety is tested by notifying the MG zone coordinator and the Soybean Coordinator in writing no later than July 1.

Official site inspections:

Trial sites may be inspected randomly by any OSACC members any time after planting. All inspectors will be asked to volunteer positive or negative comments on the condition of the trial plots. The Trial Blog in the GoSoy.ca member's area is for providing timely information on OSV plots at any time. Posting of pictures from OSV trial sites is encouraged.

It is recommended that trial site plot maps be posted on GoSoy.ca by July 1 or contact the trial site cooperator for test site information.

Trial sites to include plot numbers with clearly identifiable variety names and referenced plot maps. Please use evaluation forms found on the member page of Gosoy.ca. Timely notice of plot conditions is important and do not wait until after harvest to inform sponsors and trial cooperators.

Coordinators, sponsors and technical staff to communicate growing season updates on location conditions, emergence and plot stand problems for 4 different plant stages - after planting, V1-V3, R1-R3 and maturity or leaf drop. Observations can be posted directly on the Trial Blog in the GoSoy.ca Member's Area.

White mold and Phytophthora trials will be inspected by OSACC representatives of institutions other than those conducting the trial.

All Public trial locations must have a coefficient of variation (CV) of less than 15% for seed yield to be considered valid. Trial data for each trial location must be analyzed using sound scientific statistical techniques.

6. Performance Reporting and Publication

Any entry which is registered through the Canadian Food Inspection Agency, by November 20, or varieties that are exempted from registration but have obtained CSGA certification by November 20, will be included in Table 1, of the annual Ontario Soybean Variety Trial brochure and website.

At the request of the sponsor, entries supported for registration will be posted on Table 1.

At the request of the sponsor, one year varieties registered by November 20 and having performance information from the OSACC public trials will be entered on Tables 2-6 and will be added to the GoSoy.ca OSVT posted publication for the November 20, January 20, March 20 or July 20th updates.

At the request of the sponsor, additions will be made to the GoSoy.ca OSVT tables after November 20, March 20 and July 20 providing that there is a minimum of 4 new registered or certified varieties. If there are fewer than 4 new registered or certified varieties by the 20th of the month then these will be carried forward to the next update of January 20, March 20, July 20 and November 20.

Drafts of Table 1 will be posted on the website for sponsors assigned a password and ID code and e-mailed to sponsors during the last week of October for review and modification.

Maturity will be listed as days to maturity in Tables 2-7. Table 1 varieties will be sequenced by using relative maturity to one decimal point for listing the varieties from early to late. Varieties listed in Table 1 will be assigned a Relative Maturity rating by the sponsor. Evaluation of changes to a variety Relative Maturity grouping will be the responsibility of the sponsor.

Information for assigning of Relative Maturity is available in the GoSoy.ca website member's area at the bottom of the Entry page. The following is the reference guide available on the website:

OSACC use of Relative Maturity for Soybean

In 2010, OSACC (then OOPSCC) made the decision to use Relative Maturity (RM) ratings for soybean maturity, replacing the system of Heat Unit ratings. Relative Maturity is a system whereby new cultivars are compared over years and locations to established cultivars, and RM ratings for the new cultivars are assigned relative to the established cultivars. There are 13 maturity groups (MG) recognized in the Americas ranging from the earliest MG 000 to the latest MG X. In Canada, soybeans in maturity groups ranging from MG 000 to MG III are grown. Each decimal unit is approximately equivalent to one day of maturity, that is, a cultivar rated MG 1.5 is about 5 days later maturing than a cultivar rated MG 1.0 in its region of adaptation.

Rules for assigning a relative maturity

1. Cultivars with the same average days to maturity, over several years grown in the same trial,

should have approximately the same RM rating.

2. Relative maturity ratings cannot be negative.

3. Relative maturity ratings can only have one decimal place. A double zero rating is denoted "00.2", not "0.02".

Additional information about MG designations is available in the GoSoy.ca member's area.

Entering varieties into performance trials is voluntary by the sponsors; a fee is required which varies depending on whether an entry is registered or certified by March 20, or an experimental variety.

All data and variety information should be submitted by November 20 (depending on conditions during harvest), in order to be included in the Ontario Soybean Variety Trials Report. Publication editing will be carried out the following four days in order to meet the earliest possible publication date. .

7. OSACC Soybean Database and Preparation of Summaries

OSACC has a custom web-based Data Management System (DMS) for maintaining a database of Public trial results and for computing performance summaries. Each entry designation is assigned a unique numerical code in the program. For the computer to read a data set from a trial, the matching designation for each entry must be in the computer and the data file.

Each spring all soybean cultivars to be tested are entered electronically by the sponsors into the OSACC website database to establish the entry lists for each Public area trial.

Each year locations for all Public trials are checked against those in the system and any OSACC approved trial locations are entered into the annual guidelines and database.

Annex 1: 2019 Timeline of OSACC Events:

20-Jan	Date for refreshing 2019 OSVT Publication and head to head data on GoSoy.ca website for registered and certified varieties.
20-Mar	Date for refreshing 2019 OSVT Publication and head to head data on GoSoy.ca website for registered and certified varieties.
01-Mar	Sponsors to submit variety entries to OSACC trials by completing OSACC Gosoy.ca Entry Forms.
17-Mar	Deadline date to submit entries on Gosoy.ca is no later than midnight March 17.
Mar 18 to Apr 1	Entry lists for each MG Zone to be available on Gosoy.ca and statistically randomized. Zone Coordinators/Distributors send labelled envelopes to Sponsors for seed filling no later than midnight April 1.
Apr 2 to Apr 15	Sponsors are to fill envelopes with entry seed for each trial location and return filled envelopes to the MG Zone Coordinators/Distributor no later than midnight April 15.
Apr 16 to May 2	Trial Cooperators arrange seed envelopes in planting order for each trial location and prepare for planting in optimum field soil and weather conditions.
07-Jul	Invoices for soybean entries to be mailed and emailed to all sponsors
20-Jul	Final date for refreshing 2019 OSVT Publication and head to head data on GoSoy.ca website for registered and certified varieties.
04-Sep	Self-guided Soybean Tour begins. Tour will be self guided format with plot maps and labelled plots in 1st rep available at each trial site. Google map locations will be provided in advance on GoSoy.ca.
27-Sep	Self-guided Soybean Tour ends.
13-Oct	First Draft of Table 1 variety list posted on web site. Sponsors to respond with updated list of changes to Entries and Maturity Group ratings for Table 1 publication.
03-Nov	Final version of Table 1 variety list posted on web site home pages
15-Nov	Final date for MG Coordinators to upload OSVT public trial data summaries into database for summarizing and posting on web site OSVT Publication.
15-Nov	Draft copy of Tables 1-6 to be posted on Sponsors Home Page on web site for review and feedback.
20-Nov	Final date for accepting varieties registered by CFIA or have CSGA certification in order to be included in Tables 1-6, for the 2019 OSVT Publication.
24-Nov	Posting of 2019 OSVT Publication for producers and industry.
05-Dec	Posting of updated 1-5 year averages for each MG zone and head to head data on gosoy.ca web site.
Jan 22 2020	OSACC Research Committee meeting starting with lunch at 12:00 pm. Meetings to be held at Four Points Sheraton, London.
Jan 23 2020	Main Committee meeting of OSACC beginning with breakfast at 8:00 am.