



July 2022 Cranberry News

CODEX COMMITTEE ON PESTICIDE RESIDUES RECOMMENDS BRAVO CRANBERRY MRL

After ten years, the Codex Committee on Pesticide Residues (CCPR) has recommended to advance the Bravo (chlorothalonil) cranberry MRL for permanent establishment.

Codex first proposed eliminating the cranberry Bravo MRL in 2012. An industry representative was at the meeting in China, caught this and obtained a four-year extension to generate data to keep the MRL. A temporary MRL was maintained, and the CMC obtained two TASC grants to generate the data. That data was submitted to Codex in 2016, but was rejected by the Codex reviewers over concerns regarding the compound and storage stability. There was a real threat of losing the MRL as the four-year extension was expiring.

Working with the CMC, Dr. Caroline Harris at Exponent UK, EPA, and FAS, obtained a third Bravo TASC grant to address the Codex concerns. In an unprecedented move, the U.S. Codex delegation pressed for and succeeded with a second four-year extension of the MRL. The TASC grant addressed the issue, and the data was forwarded to the Codex technical experts for review in 2020. The experts recommended the MRL only to have Great Britain (newly independent from the EU) raise an objection, which delayed the process another year. Those objections were overcome and last week at a virtual meeting, CCPR recommended keeping a permanent cranberry MRL for chlorothalonil.

The official vote, which should be

perfunctory, will occur by the end of the year.

This was a huge effort and victory for the industry. We know that Bravo has been lost in the EU and is under threat in Canada and Great Britain, but maintaining the Codex MRL has a good benefit to the industry.

My thanks to Dr. Harris, the people at USDA who funded the TASC grant, IR-4 who conducted the study, and Alinne Oliveira on the Bryant Christie, Inc., team, who is newly appointed to the U.S. Codex delegation. Their help was instrumental in this process.

CMC will let industry members know when the permanent MRL is officially adopted.

**2022 ANNUAL
SUMMER MEETING**

*Tuesday, August 16 &
Wednesday, August 17*
Seaview Hotel
Galloway, NJ

Thursday, August 18
ACGA Field Day
Rutgers/Lake Oswego, NJ

*Meeting materials will be
posted to uscranberries.com
in August*



This summer, CMC added 18 new delicious cranberry recipes to uscranberries.com

COMMITTEE MEMBERS

August 1, 2020 - July 31, 2022

DISTRICT 1 (MA, RI, CT)

Major Cooperative

Adrienne Mollor (Member)

George Rogers (Member)

Eric Pontiff (Alternate)

Other Than Major Cooperative

Dawn Gates-Allen (Member)

James Rezendes (Alternate)

DISTRICT 2 (NJ)

Major Cooperative

Stephen Lee IV (Member)

John “Mike” Haines (Alternate)

Other Than Major Cooperative

Thomas Gerber (Member)

William R. Poinsett (Alternate)

DISTRICT 3 (WI, MI, MN)

Major Cooperative

Jill Amundson (Member)

Douglas Rifleman (Member)

David Bartling (Alternate)

Other Than Major Cooperative

Suzanne Arendt (Member)

Wayne “Butch” Gardner (Member)

Vicki Nemitz (Alternate)

DISTRICT 4 (OR, WA)

Major Cooperative

Kevin Hatton (Member)

Jack Stein (Alternate)

Other Than Major Cooperative

Nicholas Puhl (Member)

Martin “Ty” Vincent (Alternate)

AT-LARGE

Celina Li (Member)

Dan Hamilton (Alternate)

PUBLIC

Steven White, Ph.D. (Member)

Thomas O’Guinn, Ph.D. (Alternate)

CMC OFFICE STAFF

Danny Raulerson, *Executive Director*

Karen Cahill, *Marketing Director*

Dotty Pipher, *Senior Executive Assistant*



CRANBERRY HEALTH RESEARCH PROJECT UPDATES

The following is an update on the research studies the Committee voted to fund at its August 2021 meeting.

Antibiotic Potentiation by Cranberry Bioactives Against Drug Resistant Uropathogenic E. coli

The first objective is to identify which clinically relevant antibiotics can be potentiated by the provided cranberry juice against a broad panel of clinical UPEC isolates. Task one is selection of a panel of UPEC strains by determination of minimum inhibitory concentrations (MICs) for relevant antibiotics. The panel of UPEC strains was selected and resistance profiles were investigated using a disk diffusion assay. Then, MIC in Mueller-Hinton (MH) media, pH 6.0 must be determined for each strain, for each chosen antibiotic using a micro-dilution method, in the same conditions to be used for the potentiation assays. This is still ongoing but MIC for ciprofloxacin, nitrofurantoin and cotrimoxazole were obtained for 50% of the strains so far.

In parallel, the Déziel group determined the final conditions for testing antibiotic potentiation. The chosen concentration of juice is 30% in MH media adjusted at pH 6.0. This was based on experiments comparing growth with various concentrations of cranberry juice as well as the effect of pH. Potentiation assays are ongoing. No significant potentiation activity was observed for the so-far tested combinations with ciprofloxacin, nitrofurantoin and cotrimoxazole.

In the next weeks, the MIC for the remaining antibiotics (augmentin, norfloxacin, cephalexin, ceftriaxone and fosfomycin) will be determined and potentiation assays will be performed for all chosen strains with 30% cranberry juice. A lower concentration of juice will be tested for combinations where potentiation is considered significant.

Modulation of the gut-brain axis by cranberries: impact on university students’ mental health -The CRANMOOD study

The efficacy of non-pharmacological approaches, in particular nutrition interventions targeting the gut microbiome, for the prevention and treatment of mood disorders are increasingly being studied. In this project, researchers aim to investigate whether cranberry consumption improves mental health and cognitive function in university students via the gut-brain axis. A 12-week parallel double-blind randomized controlled trial will be conducted to investigate whether cranberry consumption can improve gut microbiome diversity and composition, leading to a decrease in stress levels, anxiety and depression symptoms, and improvement in cognitive function. Findings from this work will help to understand the relationship of cranberry consumption to mood disorders.

Recruitment has been completed as of May 2022. There are 64 participants in the study excluding dropouts (the target of the study is 60 completing the study), with 9 of them having completed the study (the 4 visits), 27 having completed visits 1 to 3, and 50 visits 1 and 2. The estimated completion date of the study is August 2022.

FIVE-YEAR COMPARISON REPORT: THIRD QUARTER NUMBERS INCLUDING CY2021

CY2021 third quarter summary reports, as well as several comparison reports, can be found by clicking “Data and Reports” under the “Industry” menu on www.uscranberries.com. The chart below represents data from September 1 to June 30 of each year. A few general observations comparing the 2020 vs. 2021 Q3 year-to-date data are as follows:

- Adjusted Beginning Inventory is down 6.8%
- Foreign Sales increased 8%
- Foreign Acquired is down 6.7%
- Total Sales & Shrinkage is down 3.2%
- Domestic Sales decreased 5.8%
- Total ending inventory decreased 21.8%

	2021	2020	2019	2018	2017
Beginning Inventory					
Barrels Unfrozen:	0	0	0	0	0
Barrels in Freezers:	1,797,297	1,726,311	2,484,365	2,281,453	4,175,273
Barrels in Process Form:	957,262	1,020,448	1,671,832	2,016,816	1,842,736
Barrels in Concentrate Form:	1,608,651	2,017,370	1,780,092	2,586,624	3,727,372
Inventory Before Adjustments:	4,363,210	4,764,129	5,936,289	6,884,893	9,745,381
Adjustments:	71,352	-6,094	5,821	-267	-118,244
Adjusted Beginning Inventory:	4,434,562	4,758,035	5,942,110	6,884,626	9,627,137
Sources					
Massachusetts, Rhode Island, Connecticut:	1,586,555	1,876,891	2,015,713	2,237,243	1,758,592
New Jersey:	570,315	513,801	447,723	447,592	422,830
Oregon:	488,030	546,251	515,038	544,464	474,359
Washington:	157,499	185,686	141,863	180,778	130,684
Wisconsin, Michigan, Minnesota:	3,901,659	4,609,882	4,485,133	5,271,545	5,335,325
Other states:	0	0	0	0	196
Total Domestic Acquired:	6,704,058	7,732,511	7,605,470	8,681,622	8,121,986
Foreign Acquired - Fresh:	53,470	41,704	75,156	76,013	86,617
Foreign Acquired - Processed:	1,643,645	1,861,576	1,368,298	1,877,252	1,234,559
Foreign Acquired - Concentrate:	87,470	10,317	50,491	12,635	72,413
Total Barrels Acquired:	8,488,643	9,646,108	9,099,415	10,647,522	9,515,575
Barrels in Transit:	82,194	136,425	135,746	29,976	93,557
Sales					
Domestic Sales - Fresh:	220,989	285,814	281,392	281,317	284,672
Domestic Sales - Processed:	4,631,392	4,953,328	4,992,036	4,469,075	6,020,964
Domestic Sales - Concentrate:	913,113	878,289	892,132	910,371	0
Sold to Government:	38,382	41,403	42,908	105,973	76,581
Total Domestic Sales:	5,803,876	6,158,834	6,208,468	5,766,736	6,382,217
Foreign Sales Fresh:	28,931	42,788	49,572	47,304	45,273
Foreign Sales Processed:	1,659,686	1,528,179	2,138,604	2,574,651	2,333,359
Foreign Sales Concentrate:	857,309	785,019	586,660	389,649	604,636
Total Sales:	8,349,802	8,514,820	8,983,304	8,778,340	9,365,485
Shrinkage:	148,729	262,014	132,077	1,016,667	1,103,895
Total Sales & Shrinkage:	8,498,531	8,776,834	9,115,381	9,795,007	10,469,380
Ending Inventory					
Barrels Unfrozen:	0	0	0	0	0
Barrels in Freezers:	2,564,434	3,133,572	2,819,366	3,978,331	3,705,889
Barrels in Process Form:	705,251	865,033	1,049,880	1,766,570	2,014,947
Barrels in Concentrate Form:	1,237,183	1,765,129	2,192,644	2,022,216	3,046,053
Total Barrels in Inventory:	4,506,868	5,763,734	6,061,890	7,767,117	8,766,889



2527 Cranberry Highway
Building B
Wareham, MA 02571

Return Service Requested

WHAT'S INSIDE



2 HEALTH RESEARCH UPDATE

3 Q3 SUMMARY REPORT

July 2022

Cranberry News

CMC EXPANDS MARKETING TO S. AMERICA & SOUTHEAST ASIA

During a Zoom meeting of the full Cranberry Marketing Committee on June 24, members unanimously approved in-market representation in South America and Southeast Asia.

CMC had undergone market research in the fall of 2021 to identify new emerging markets for its export program. As a result, at the CMC's 2022 annual winter meeting, members unanimously approved moving forward with an RFP process for in-country representation in Malaysia, Singapore, Brazil and Colombia.

CMC received two proposals for South America and four for Southeast Asia. The RFPs were reviewed by the RFP subcommittee, as well as CMC staff and CMC's international marketing consultants, Bryant Christie Inc., (BCI). CMC staff and BCI conducted three Zoom interviews and a recommendation of River Global for representation in South America and Terroir & Spice for Southeast Asia was brought to the Committee in June.

River Global has offices in both Brazil and Colombia and has developed a good relationship with USDA FAS through working with other cooperators such as apples and blueberries. River Global's proposal included activities for industry relations, trade servicing, trade show exhibition, retail merchandising, PR, and webinars for both importers and exporters.

Terroir & Spice's (T&S) proposal included consumer, trade, social media, retail and trade activities. T&S also has experience working with FAS and has offices throughout Southeast Asia, which could be an added benefit should the Committee want to expand to additional markets in the future.

Follow USCraberries

