



The Massachusetts Commonwealth Quality Program
Program/Product Registration Form

Contact Information

Farm Business Name: _____
 Applicant Name & Title: _____
 Mailing Address: _____ City: _____ Zip Code: _____
 Site Address: _____ City: _____ Zip Code: _____
 Business Phone: _____ Mobile/Home Phone: _____
 Fax Number: _____ Website: _____
 Email Address: _____

Applying as (Check all that apply):

- Farmer Processor Wholesale Distributor Reseller

Business Information

Opening Hours (if applicable): _____

Retail Distributors

Wholesale Distributors

Restaurants

Please note that the information on this form will be used on web-based sheet with information about your business. It will be accessible through the CQP website.

For Official Use Only
 Date Received: _____
 Processed by: _____



OFFICIAL CQP AUDIT SCORESHEET

Farm Name _____	CQP Id # _____
Date of Audit _____	Auditor _____
Irrigation Water Source: <input type="checkbox"/> Surface <input type="checkbox"/> Well <input type="checkbox"/> Municipal	
Processing Water Source: <input type="checkbox"/> Surface <input type="checkbox"/> Well <input type="checkbox"/> Municipal	
Irrigation Type: <input type="checkbox"/> Overhead <input type="checkbox"/> Drip <input type="checkbox"/> None	
Raw Manure Usage? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, date of last application ____/____/____	
Animal Based Compost Usage? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, date of last application ____/____/____	
Documents to verify: <input type="checkbox"/> Recent Water Test Results (current year or season) <input type="checkbox"/> Pesticide License (if applicable)	
<i>This score sheet will be used to determine if you are eligible at this time to participate in the Commonwealth Quality Program. Section 1 is a required section and you must pass requirements 1.2-1.7, unless the answer to 1.1 is "Yes". You must "pass" each of the 4 other areas. Sections 2&3 are combined and Sections 4&5 are combined. The "passing" number is listed in each of the 4 subtotal areas.</i>	

Question #	Requirement	Yes/No	
1. Good Agricultural Practices (GAP) Required Section			
1.1 General Questions			
1.1.1	Are you GAP certified for the current year? (check one)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
If you answered "Yes" to this question, please go to section 2, entitled <i>Management Considerations for site with High or Medium High leaching or Runoff Potential or Proximity to Sensitive Areas.</i>			
1.1.2	Has a written food safety plan been developed and implemented?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.2 Worker Health/Hygiene and Training			



1.2.1	Have you and/or your workers been trained in worker hygiene?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Note: The individual conducting the training must have attended a GAP training or taken an online GAP course.			
1.2.2	Are toilet facilities directly accessible for servicing?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.2.3	Are all employee restrooms equipped with potable water, soap and single use towels?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.2.4	Do all employee restrooms have signage requiring hand washing?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.2.5	Are all employee restrooms maintained in a clean and sanitary condition?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.2.6	Do all employees and visitors follow the personal hygiene practices designated by the operation?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.2.7	Are all employee break areas located so as not to be a source of product contamination?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.2.8	Do all field employees have access to drinking water?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.3 Water Quality Practices			
1.3.1	Have you and/or your workers been trained in water quality practices?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Note: The individual conducting the training must have attended a GAP training or taken an online GAP course.			
1.3.2	Do you test all agricultural water sources <u>for E.coli</u> according to their contamination risk (<i>see below</i>)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Note: All <u>well water sources</u> must be tested for total E.coli twice a year and all <u>surface water sources</u> must be tested for total E.coli three times a year. If municipal water is used, you must have a copy of town's annual water report on file. These tests must be made available at all times.			
1.3.3	Is the agricultural water system designed to avoid cross-connection with human or animal waste system?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.4 Animal Control			



1.4.1	Have you and/or you workers been trained in livestock and wildlife issues?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Note: The individual conducting the training must have attended a GAP training or taken an online GAP course.			
1.4.2	Are all livestock (if applicable) separated from produce production areas?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.4.3	Have you ensured that runoff from livestock areas <u>cannot</u> move into produce production areas?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.4.4	Do you routinely monitor for animal activity in and around the growing area during the growing season?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.4.5	Are areas where crop damage from wildlife exists noted, and are measures taken (fencing, trapping, etc.) to avoid future damages?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.5 Soil Amendments			
1.5.1	Have you and/or your workers been trained in manure and compost handling?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Note: The individual conducting the training must have attended a GAP training or taken an online GAP course.			
1.5.2	If manure or manure-based compost is used in produce production areas, is it <u>not applied</u> within 2 weeks of planting or within 120 days of harvest?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.5.3	If applicable, is manure stored in a location where runoff or dust would not enter produce production areas?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.6 Equipment and Facilities			
1.6.1	Are growing and storage facilities designed, constructed, and maintained in a way that prevents the contamination of produce?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.6.2	Are all equipment, vehicles, tools and utensils used in farming operations which come into contact with product in good repair, and not a source of contamination?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.7 Traceability			



1.7.1	Is there a documented traceability program that has been developed and implemented?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
1.7.2	Have you and/or your workers been trained in traceability?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Note: The individual conducting the training must have attended a GAP training or taken an online GAP course			
1.7.3	Do all boxes for wholesale (if applicable) have the farm name and a date stamp on the box or package?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Question #	Requirement	Points Awarded	Possible Points
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2. Management Considerations for sites with High or Medium High leaching or Runoff Potential or Proximity to Sensitive Areas

2.1	If the site has a high leaching potential, are steps taken to minimize this risk?		5
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Points can only be awarded if pesticides, fertilizers, and other inputs (e.g. manure, compost) are reviewed for leaching potential.

5 points are awarded if all of the following practices are followed, **3 points** are awarded if 2 practices are followed and **1 point** is awarded if 1 practice is followed. **Circle the number next to each practice followed:**

1. Pesticides, fertilizers, and other inputs with high leaching potential are reduced or eliminated by reducing rates of application (by using lower rate per acre, banding, spot treatment, etc.) **or** alternative pesticides or fertilizers (biological, cultural, or chemical) with low leaching potential are used.
2. Applications of ground-directed fertilizers and pesticides are delayed when heavy rains are expected.
3. Nitrogen rates (total N and/or rate per application) are reduced by using split applications, allowing nutrient credits for organic matter or cover crops, or other means OR another method that is known to reduce the risk of leaching is used (e.g., black plastic mulch with fertilizer under plastic) is implemented.

2.2	If the site has a high runoff or erosion potential, is a plan in place to mitigate the runoff or erosion?		5
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5 points are awarded if all of the following practices are followed, **3 points** are awarded if 4 practices are followed, and **1 point** is awarded if 2 practices are followed. **Circle the number next to each practice followed:**

1. A conservation plan is in place that will address runoff and erosion with appropriate soil conservation structures. Pesticides, fertilizers, and other inputs (e.g., raw manure) are reviewed for runoff potential.
2. Rates of any pesticides or fertilizers with high runoff potential are reduced to limit risk of leaching (e.g., lower rate per acre, banding, spot treatment, etc.) OR alternatives (biological, cultural, or chemical) with low runoff potential are used.
3. Runoff from fields (with erosion and/or transport of soil or pollutants) is reduced through at least one of the following practices: contour farming, row direction, inter-row cover crops or mulches, reduced or conservation tillage practices, buffer strips, water diversion, grassed waterways, filter strips, sediment basins.
4. Infiltration is increased through at least one of the following practices: sub-soiling, or deep vertical tillage to break compaction layers, avoidance of heavy machinery, avoiding use of machinery on saturated soils.
5. Application of herbicides, fungicides, insecticides, and fertilizers is delayed if rainfall is forecasted within the drying time of the application.
6. Cover crops (annual or perennial) are grown during periods when crops are not present.

No points are awarded if there are no soil conservation practices in place that would reduce runoff and erosion, and if weather conditions and runoff are not considered prior to application of pesticides and fertilizers.

Question #	Requirement	Points Awarded	Possible Points
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3. Site and soil considerations

3.1	Are soil samples sent for nematode analysis before planting?		5
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5 points are awarded if prior to planting, samples are collected according to laboratory instructions and sent for nematode analysis. **3 points** are awarded if crops to be grown or prior experience does not suggest a nematode problem so samples are not taken. **1 point** is awarded if grower will look for nematode damage this year and will send in a sample if they suspect nematode.

No points are awarded if no nematode analysis was performed, and the grower does not plan on sending a sample in for analysis.

3.2	For sites with low soil organic matter (<3%), is additional organic matter added?		5
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5 points are awarded if organic matter is supplied through at least 2 of the following methods: rotational cover crops, winter cover crops, compost, or manure. **3 points** are awarded if cover crops are planted on a regular basis during the growing season in rotation with fruit and vegetable crops and cover crops are planted in the fall and allowed to overwinter. **1 point** is awarded if cover crops are planted in the fall and allowed to overwinter.

No points are awarded if organic matter is not added, particularly on sandy sites.



3.3	Is pH adjusted if necessary?		5
<p><i>Points can only be awarded if a soil test is performed at least ever 2-3 years and lime is added according to recommendations.</i></p> <p>5 points are awarded if no more than 2-3 tons of lime per acre are applied every year. 3 points are awarded if more than 3 tons are applied in a split application. 1 point is awarded if more than 3 tons are applied in one application.</p>			
3.4	How is soil compaction addressed if evident?		5
<p>5 points are awarded if soil compaction is directly evaluated, and equipment is chosen or modified to minimize compaction (e.g. wider or larger diameter tires, tire pressure is as low as possible), and in compacted areas, sub-soiling is completed every other year in the row or in the tire tracks, or deep-rooting cover crops are planted to help restore soil structure, and equipment use is avoided when soils are saturated.</p> <p>3 points are awarded if in compacted areas, sub-soiling is completed every two to three years, and if equipment use is usually avoided when soils are saturated.</p> <p>1 point is awarded if compaction status is unknown and equipment is sometimes used when soil is saturated.</p> <p><i>No points are awarded if the compaction status is not known and equipment is regularly used when soil is saturated.</i></p>			
3.5	How is soil erosion addressed if evident?		5
<p>5 points are awarded if all of the following practices are followed and/or no soil erosion is present, 3 points are awarded if 2 of the following practices are followed, and 1 point is awarded if 2 of the following practices are taken but soil erosion is present. Circle the number next to each practice followed:</p> <ol style="list-style-type: none"> Biodegradable organic mulch material or annual cover crop is used in row middles and maintained throughout the growing season. Where erosion is evident corrective measures are taken (e.g. grass waterway, diversions, filter strips, contour planting). Buffer/filter strips are established around water bodies, wetlands, and outlet ends of concentrated flow areas. <p><i>No points are awarded if no cover crop is established and/or erosion is evident and no corrective measures are taken.</i></p>			
Subtotal A (You must have a score of 24 to pass Sect.2&3)			35
Question #	Requirement	Points Awarded	Possible Points
4. Nutrient Management			
4.1	Were pre-plant soil tests performed?		5



5 points are awarded if soil was sampled prior to planting by sampling separately according to soil type and/or planned crop, **and** using soil core to a 6-8" depth from at least 15 locations in each sample area, **and** soil sample(s) are sent promptly (w/in 24hrs) to recommended lab (see resource list), **and** a full soil test* plus organic matter content is requested, **and** test results are kept from year to year for reference

3 points are awarded if soil was sampled within 3 years prior to planting by sampling separately according to soil type and/or planned crop, **and** using soil core to a 6-8" depth from less than 15 locations in each sample area, **and** a full soil test* plus organic matter content was requested.

1 point is awarded when soil was sampled prior to planting by sampling an aggregate area regardless of soil type.

**A full soil test includes pH, Buffer pH, Extractable Nutrients (P, K, Ca, Mg, Fe, Mn, Zn, Cu, B), Extractable Heavy Metals (Pb, Cd, Ni, Cr), and Extractable Aluminum, Cation Exchange Capacity, Percent Base Saturation.*

No points are awarded if no soil was sampled within 3 years prior to planting.

4.2	Were soil amendments applied according to soil test results and recommendations?		5
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5 points are awarded if all of the following practices are adopted, **3 points** are awarded if practices 1-4 are followed, **1 point** is awarded if practices 1 & 2 are followed. **Circle the number next to each practice followed:**

1. Soil amendments were applied according to soil test recommendations.
2. Amendments for soil pH adjustment were applied at least 6 months prior to planting and retested as needed.
3. Amendments for nutrient additions were made using slow release organic materials when possible or split applications are made to minimize leaching or runoff before plant uptake takes place.
4. A nitrogen budget was used to determine N fertilizer needs.
5. Records were kept of what amendments were used (date, material and rate) on farm fields and saved for reference.

No points are awarded if soil amendments were applied according to past practices and/or what was on hand.

4.3	Are soil tests performed on a regular basis?		5
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5 points are awarded if soil tests are performed every 3 years, and **3 points** are awarded if soil tests are performed every 5 years to assess the following:

- soil pH
- soil Cation Exchange Capacity (CEC)
- macro nutrient levels in the soil
- micro nutrient levels in the soil
- organic matter content of the soil

1 point is awarded if soil tests are performed occasionally to assess macro/micro nutrient levels in the soil.

No points are awarded if soil tests are not conducted on a regular basis.

4.4	Were Pre-Sidedress Nitrogen Test (PSNT)* or Sap nitrate tests** performed during the growing season on eligible crops to determine N fertilization needs?		5
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5 points are awarded if PSNT is performed regularly (according to protocols) to determine N-sidedress needs for all crops grown for which it is available (corn, cabbage, pumpkin, lettuce, pepper, strawberry). 5 points can also be awarded if this practice isn't applicable to the crop being grown (tree fruit, some small fruit).

3 points are awarded if PSNT and/or Sap nitrate test is performed regularly (according to protocols) to determine N-sidedress needs for just one crop (even though other eligible crops could have been tested).

1 point is awarded if PSNT and/or Sap nitrate tests are **not** performed but other estimation methods are used to guide N-sidedress applications.

No points are awarded if no estimation tools or protocols are used to guide N-sidedress applications.

4.5	Are leaf tissue tests performed on a regular basis in perennial crops?		5
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5 points are awarded if leaf tissue tests were performed **every year** and the fertilization program is guided by leaf tissue test results/recommendations, **and** test results, recommendations and application records are kept and used to inform decisions. (*5 points can also be awarded if only annual crops are grown*). **3 points** are awarded if leaf tissue tests were performed **every year** and the fertilization program is guided by leaf tissue test results/recommendations. **1 point** is awarded if leaf tissue tests were performed **every 3-5 years** and fertilization program is guided by leaf tissue test results/recommendations.

No points are awarded if no leaf tissue tests were performed.

4.6	Are Nitrogen applications made to avoid excessive foliage growth, which can increase disease and pest problems?		5
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5 points are awarded if nitrogen fertilizer is applied in a split application according to recommendations, **or** if nitrogen fertilization is provided from slow release sources such as aged compost using application rates calculated to avoid Nitrogen over-fertilization.

3 points are awarded if nitrogen fertilizer is applied in a split application according to recommendations.

1 point is awarded if nitrogen fertilization is provided from slow release sources such as aged compost using application rates calculated to avoid Nitrogen over-fertilization.

No points are awarded if nitrogen fertilization is applied in a quick release soluble form in a single application.

Question #	Requirement	Points Awarded	Possible Points
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5. Plant Culture and Irrigation Practices

5.1	Is the planting and crop care system designed to optimize air circulation and drying conditions for foliage and crop so as to reduce disease incidence?		5
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5 points are awarded if 2 of the following practices are **always** followed, **3 points** are awarded if 2 of the following practices are **usually** followed, and **1 point** is awarded if 2 of the following practices are **sometimes** followed. **Circle the number next to each practice followed:**

1. Between-plant and between-row spacing and orientation are optimal for the crop, variety, and environmental conditions to encourage adequate air circulation. (e.g., 2 ft between fully-grown strawberry row canopies, wider spacing for summer broccoli, row orientation for wind flow)

2. Pruning is implemented on crops to increase air circulation, reduce leaf wetness periods (e.g., blueberry bush when fully grown has open center; tree fruit is pruned annually or twice annually allowing for good access to light and air circulation throughout the canopy; tomatoes are pruned to below first flower cluster); OR varieties are selected for improved drying conditions (e.g., apple, cherry, or pear trees are on dwarfing rootstocks with small canopies)

3. Where appropriate, crop is staked or trellis to keep them off the ground, increase air circulation and reduce proximity to disease inoculum (e.g., tomatoes, cane berries are trellised or staked).

No points are awarded if planting, pruning and canopy management practices are not used that optimize air circulation and drying conditions for foliage and crop so as to reduce disease incidence.

5.2	Is a mulch layer maintained in bearing beds to suppress weeds and prevent splashing of water from rain or irrigation?		5
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5 points are awarded if a weed-free biodegradable mulch layer is maintained within rows between/around plants, **and** a weed-free biodegradable mulch layer or living mulch (e.g., sod) is maintained between rows.
3 points are awarded if a plastic mulch layer is maintained within rows between/around plants **and** a weed-free biodegradable mulch layer or living mulch (e.g., sod) is maintained between rows.
1 point is awarded if a mulch layer is maintained within rows, **but** no mulch layer is maintained between rows.
No points are awarded if no mulch layer is maintained within or between rows.

5.3	Is winter protection provided for crops that need it?		5
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5 points are awarded if some of the following practices are followed **every year** (or if no winter protection is required), **3 points** are awarded if some of the following practices are followed **in most years**, and **1 point** is awarded if some of the following practices are followed **in some years**. **Circle the number next to each practice followed:**

1. A weed-free biodegradable mulch layer (like straw) covers strawberry rows every year for winter protection.
2. White latex paint is applied every year to trunks of trees that are susceptible to cold injury
3. Graft unions on grapevines are hilled up every year during the winter and uncovered in spring

No points are awarded if no winter protection practices are used at all.

5.4	Is irrigation supplied to plant rows?		5
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5 points are awarded if drip irrigation is supplied to plant rows to deliver water when needed for plant growth and fruit development, **and** overhead irrigation is supplied to plant rows for frost protection where frost is a problem, **and** a water use plan is used which minimizes disease development, optimizes water use efficiency, and minimizes erosion and run-off.

3 points are awarded if drip irrigation is supplied to plant rows to deliver water when needed for plant growth and fruit development, **and** if overhead irrigation is supplied to plant rows for frost protection where frost is a problem.

1 point is awarded if drip irrigation is supplied to plant rows to deliver water when needed for plant growth and fruit development, **or** if overhead irrigation is supplied to plant rows for frost protection where frost is a problem.

No points are awarded if no irrigation is supplied to plant rows.

Subtotal B (You must have at least a score of 30 in order to pass Sections 4&5)			50
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Question #	Requirement	Points Awarded	Possible Points
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6. Pesticides Application and Records (only pesticides registered for use in Massachusetts are used, all pesticide label directions are followed, and re-entry and pre-harvest intervals are adhered to).



6.1	Does the pesticide applicator have and maintain a pesticide applicators license/certification?		5
<p>5 points are awarded if the farm’s pesticide applicator has the appropriate pesticide applicators license/certification for the farm, and is the only individual who mixes, loads and applies pesticides (restricted use or general use) on the farm, and maintains the necessary recertification credits annually to keep the license/certification current.</p> <p>3 points are awarded if the farm’s pesticide applicator has the appropriate pesticide applicators license/certification for the farm, and may occasionally supervise another individual (pesticide handler) who mixes, loads and applies pesticides (general use) on the farm, and maintains the necessary recertification credits annually to keep the license/certification current.</p> <p>1 point is awarded if the farm’s pesticide applicator does not have a pesticide applicators license/certification, and only mixes, loads and applies general use pesticides on the farm.</p> <p><i>No points are awarded if the farm’s pesticide applicator does not have a pesticide applicators license, and isn’t sure if one is required for applying pesticides as needed.</i></p>			
6.2	Are the EPA Worker Protection Standards being followed? <i>(To be in compliance with the EPA Worker Protection Standard, you must have a BMP rating of 3 or 5) (An easy to follow check list for these standards is located in Appendix A at the end of this document)</i>		5
<p>5 points are awarded if all workers and pesticide handlers receive required WPS training on an annual basis, and all WPS requirements are implemented (e.g., signage, wash stations, etc.), or farm is exempt from most of the EPA Worker Protection Standard because only immediate family members work on the farm.</p> <p>3 points are awarded if all workers and pesticide handlers receive required WPS training and all WPS requirements are implemented (e.g., signage, wash stations, etc.).</p> <p>1 point is awarded if most workers and pesticide handlers receive required WPS training, and most WPS requirements are implemented (e.g., signage, wash stations, etc.)</p> <p><i>No points are awarded if only some workers receive required WPS training, and some WPS requirements are implemented.</i></p>			
6.3	Are spray records maintained and organized?		5



5 points are awarded if records of pesticide applications are maintained, including date, field/block, target pest, crop stage, pesticide name and EPA number, wind speed, wind direction, temperature, formulation, rate and number of acres treated using a suitable record keeping software program (see comments), **and** backup copies of records of pesticide applications are kept in electronic form or as hard copies.

3 points are awarded if records of pesticide applications are maintained, including date, field/block, target pest, pesticide name and EPA number, formulation, rate and number of acres treated using record keeping software **or** using a hard copy format.

1 point is awarded if records of pesticide applications are maintained, including date, field and block, target pest, pesticide name and EPA number, formulation, rate and number of acres treated in paper files but not well organized

No points are awarded if records of pesticide applications are kept, but are incomplete and not well organized.

Note: Trac Software for fruit from Cornell <http://www.nysipm.cornell.edu/trac/>

6.4	Are pesticide sprayers maintained and calibrated regularly?		5
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*Points can only be awarded if all pesticide sprayers are inspected for leaks before and during pesticide applications, **and** if all pesticide sprayers are calibrated before the start of the season following an established protocol.*

5 points are awarded if all pesticide sprayers are cleaned between applications of insecticides/fungicides and herbicides or dedicated sprayers are used for specific types of pesticides, **and** all pesticide sprayers are recalibrated at least once midway through the growing season.

3 points are awarded if all pesticide sprayers are cleaned between applications of insecticides/fungicides and herbicides or dedicated sprayers are used for specific types of pesticides.

1 point is awarded if all pesticide sprayers are occasionally cleaned throughout the season .

6.5	Are pesticides stored properly?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if practices 1-6 are followed, and **1 point** is awarded if practices 1-5 are followed. **Circle the number next to each practice followed:**

1. All pesticides are stored in a secure and lockable location (i.e. separate building, room, or storage cabinet)
2. The pesticide storage site has Pesticide Storage and diamond HazMat Signs
3. Has a nonporous floor (cement, tile etc.) and pesticide containers are stored off the floor.
4. Is at least 400 feet from a drinking water source and 200 feet from surface water
5. Is well ventilated and temperature controlled (between 40-100F)
6. All pesticide containers are checked for intact pesticide labels, for leaks and are marked with purchase date
7. Insecticides, fungicides, and herbicides are stored separately based on their formulations, volatility, and flammability to avoid cross contamination
8. Has pesticide product inventory list and MSDS placed outside of the storage area

No points are awarded if pesticides are not stored in a secure and lockable location (i.e. separate building, room, or storage cabinet), unauthorized individuals can gain access to the pesticide containers).

6.6	Do pesticide applicators use and wear Personal Protective Equipment (PPE) appropriately?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if practices 1-4 are followed, and **1 point** is awarded if practices 1-3 are followed. **Circle the number next to each practice followed:**

1. All pesticide applicators wear at least the PPE required by the pesticide label
2. All pesticide applicators who wear respirators have received initial training and received respirator fit test at least every 6 months
3. Clean and inspect all PPE after use and store separately from pesticides
4. Wear at least chemical resistant gloves, long sleeved shirt, long pants, and shoes when handling pesticides.
5. Wear at least a chemical resistant apron and chemical resistant goggles when mixing and loading pesticides

No points are awarded if Pesticide applicators are unaware of and/or do not wear the PPE required by the pesticide label.

6.7	Are the correct procedures followed during pesticide mixing and loading?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if practices 1-5 are followed, and **1 point** is awarded if practices 1-4 are followed. **Circle the number next to each practice followed:**

1. All pesticide applicators confirm that they are following all label instructions
2. Pesticides are premeasured using a scale or measuring cup
3. Use a anti-backflow device when filling pesticide sprayers
4. Triple rinse or pressure rinse all metal and plastic pesticide containers
5. Have access to potable water, soap, towels, and eyewash for pesticide decontamination
6. Mix and load on a containment pad

No points are awarded if pesticide applicators pour pesticides directly from container into sprayer without measuring and do not know if filling equipment has an anti-backflow device.

6.8	Are the correct procedures followed during pesticide application?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if practices 1-4 are followed, and **1 point** is awarded if practices 1-3 are followed. **Circle the number next to each practice followed:**

1. Pesticide applicators confirm that they are following all label instructions
2. Stop application if individuals are in the area
3. Stop application if pesticide sprayer is malfunctioning (leaks, nozzles clogged, etc.)
4. Stop application if honey bees and/or bumble bees are foraging in the treated area
5. Use water or oil sensitive cards (or dye or foam) to determine if there is sufficient coverage and if drift has occurred

No points are awarded if pesticide application occurs regardless of presence of people in the area or problem with pesticide application equipment.

6.9	Are the correct procedures practiced to avoid drift during pesticide applications?		5
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*Pesticide applicators must confirm that they are following all label instructions, that temperature is verified to avoid pesticide volatilization and vapor drift, and that a wind gauge is used to verify that no pesticide application is made when wind speeds exceed 10 miles per hour. **1 point is awarded if all these required practices are adopted, but no additional precautions are taken.***

5 points are awarded if a recommended practice* is followed when wind speed is between 5 and 10 miles per hour, **and** water or oil sensitive cards are used to determine if drift has occurred.

3 points are awarded if a recommended practice* is followed when wind speed is between 5 and 10 miles per hour.

* Recommended practices include: drift reduction nozzles (i.e. air induction, venture nozzle), or drift control additives, or reducing spray pressure while increasing droplet size, or using newer spray technologies designed to reduce drift.

No points are awarded if there are no specified practices in place to prevent pesticide drift.

Subtotal C (You must have at least a score of 27 in order to pass Section 6)

45

Question #	Requirement	Points Awarded	Possible Points
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7. Integrated Pest Management

7.1	Is access to current pest information and recommendations maintained?		5
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*Pesticide labels should always be read and understood thoroughly. **5 points** are awarded if all of the following practices are adhered to, **3 points** are awarded if practices 1-4 are followed, and **1 point** is awarded if practices 1-3 are followed.*

Circle the number next to each practice followed:

- 1.** A resource library containing reliable pest identification and diagnostic information (see Appendix for suggested list) is accessible (in print or electronically) on the farm to assist in identifying the cause of a problem.
- 2.** A current version of a New England Management Guide for Vegetables, Tree Fruit and/or Small Fruit is on hand.
- 3.** A current relevant newsletter subscription is maintained to stay abreast of new or emerging pest problems (e.g., Massachusetts Berry Notes, Vegetable Notes, Healthy Fruit, etc).
- 4.** A qualified crop consultant is employed or staff is trained to help identify pests

No points are awarded if pest management decisions are based solely on historical approaches and no up-to-date management materials are maintained.

7.2	Are pests monitored appropriately?		5
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5 points are awarded if currently recommended approaches to assess pest presence and potential for damage are used for ALL pests (i.e., scouting, sticky traps, etc), **and** recommended economic threshold levels are used to determine when control measures are needed.

3 points are awarded if currently recommended approaches to assess pest presence and potential for damage are used for MOST (>50%) pests, **and** if recommended economic threshold levels are used to determine when control measures are needed, and if other pests are controlled on a calendar basis.

1 point is awarded if currently recommended approaches to assess pest presence and potential for damage are used for only a FEW (<50%) of the pests, **and** if recommended economic threshold levels are used to determine when control measures are needed, and if other pests are controlled on a calendar basis.

*No points are awarded if no monitoring is done **and** if pest control is applied on a calendar basis.*

7.3	Are appropriate methods employed to avoid or prevent pest populations from becoming established in your crops?		5
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Points can only be awarded if the biology and life cycle are known for insect pests common to the crops grown.

5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if at least 3 practices are followed, and **1 point** is awarded if at least 1 practice is followed. **Circle the number next to each practice followed:**

1. Crop rotation is practiced to break the pest cycle
2. Resistant varieties are selected
3. Crop residue of annual crops is destroyed and/or removed from the field to break pest cycles
4. Physical exclusion is employed (e.g., row covers, trench barriers)
5. Alternate hosts of key pests are eliminated from area surrounding crop

No points are awarded if no pest avoidance practices are employed, the biology and life cycle of relevant pests are unknown, and if the same crop families are grown in the same locations for many consecutive years.

7.4	Are control measures selected appropriately?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if practices 1-3 are followed, and **1 point** is awarded if practices 1. & 2. are followed. **Circle the number next to each practice followed:**

Control measures are:

1. Selected according to current recommendations. Non-insecticidal control practices are used whenever possible.
2. Matched by efficacy for the target insects and the severity of the problem. Choice of insecticides is based upon reduced human toxicity and reduced environmental impact
3. Selected according to recommendations to alternate or rotate classes in order to lessen the risk of resistance development in pathogen populations (see IRAC listings)
4. Selected to preserve beneficial organisms (e.g., soil microbial community and other beneficial organisms) whenever possible.

No points are awarded if control measures are selected according to recommendations made by chemical salesman, only insecticidal control is used with the widest target range and lowest cost.

7.5	Are diseases monitored appropriately?		5
<p>5 points are awarded if currently recommended approaches to assess disease pressure and potential for damage are used for ALL major diseases (i.e., assess inoculum potential, use weather forecasting models, etc), and recommended economic threshold levels are used to determine when to control measures are needed.</p> <p>3 points are awarded if currently recommended approaches to assess disease pressure and potential for damage are used in MOST (>50%) cases, and recommended economic threshold levels are used to determine when to control measures are needed, and other diseases are controlled on a calendar basis.</p> <p>1 point is awarded if currently recommended approaches to assess disease pressure and potential for damage are used for only a FEW (<50%) cases, and recommended economic threshold levels are used to determine when to control measures are needed, and other diseases are controlled on a calendar basis.</p> <p><i>No points are awarded if no monitoring is done, and disease control is applied on a calendar basis</i></p>			
7.6	Are appropriate methods employed to avoid or prevent diseases from becoming established in your crops?		5



Points can only be awarded if the biology and life cycle are known for diseases common to the crops grown.

5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if at least 3 practices are followed, and **1 point** is awarded if at least 1 practice is followed. **Circle the number next to each practice followed:**

Control measures are:

1. Crop rotation is practiced to break the disease cycle
2. Resistant varieties are selected
3. Crop residue of annual crops is destroyed and/or removed from the field to break disease cycles
4. Certified disease free plant material and/or seed is used
5. Alternate hosts of key diseases are eliminated from area surrounding crop

No points are awarded if pesticides are not stored in a secure and lockable location (i.e. separate building, room, or storage cabinet), unauthorized individuals can gain access to the pesticide containers

7.7	Are disease control measures selected appropriately?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if practices 1-3 are followed, and **1 point** is awarded if practices 1. & 2. are followed. **Circle the number next to each practice followed:**

Control measures are:

1. Selected according to current recommendations. Non-fungicidal control practices are used whenever possible.
2. Matched by efficacy for the target disease and the severity of the problem. Choice of fungicides is based upon reduced human toxicity and reduced environmental impact
3. Selected according to recommendations to alternate or rotate classes in order to lessen the risk of resistance development in pathogen populations (see FRAC listings)
4. Selected to preserve beneficial organisms (e.g., soil microbial community and other beneficial organisms) whenever possible.

No points are awarded if control measures are selected according to recommendations made by chemical salesman, only fungicidal control is used with the widest target range and lowest cost.

7.8	Are weeds identified correctly and monitored or scouted regularly?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if at least 3 practices are followed, and **1 point** is awarded if any 2 practices are followed. **Circle the number next to each practice followed:**

1. Weed infestations are mapped and scouted on a regular basis. Grass alleys are maintained between tree fruit rows and weed incidence and species within the tree row are monitored.
2. Site-specific weed management plans are developed. Weed control in tree rows is performed with minimal herbicide application.
3. Weed species are correctly identified to select proper management practices
4. Fields are rotated to crops that are competitive against particular weed species. Cover crops are planted in fallow fields and removed before any emerged weed or the cover crop go to seed
5. Weeds are prevented from going to seed in all areas of the farm. Areas immediately adjacent to fields or orchards are mowed to prevent seed production

No points are awarded if no weed identification and monitoring are performed, if regular herbicide application is used to control weeds or a weed-free tree row, and if weed control is applied on historical and calendar basis.

7.9	Are herbicide control measures integrated with mechanical control measures?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if at least three practices are followed, and **1 point** is awarded if at least 2 practices are followed. **Circle the number next to each practice followed:**

1. Cultivation is an important means of weed control. Cultivation is performed immediately after weed germination and in the early stage of crop growth. Grass alleys are maintained between tree fruit rows.
2. The stale seed technique is used for weed control. A recommended herbicide, light mechanical cultivation, or flaming the soil is employed to kill weeds without causing new weed seeds from being moved into the top, few inches of soil
3. Mechanical weed disruption by tilling or flaming is combined with band or spot herbicide treatment. Weed control in tree rows is performed with minimal herbicide use.
4. Plastic mulch, nursery fabric, or organic material mulches are applied as weed barriers

No points are awarded if fields are maintained with regular herbicide application, or the entire orchard floor is maintained with regular herbicide application.

7.10	Are weed control measures selected appropriately?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if at least three practices are followed, and **1 point** is awarded if at least 2 practices are followed. **Circle the number next to each practice followed:**

1. Weed control measures and herbicide application are selected according to current recommendations.
2. Herbicides selected by considering properties like toxicity, weed families controlled, and impact on water resources.
3. Labels are read carefully to determine proper rate selection, application timing, activation, and special precautions. Labels are checked for incorporation requirements.
4. Herbicides are selected according to recommendations to rotate or alternate active ingredient classes to lessen the risk of selection of herbicide resistance (HRAC listings).
5. A sprayer is dedicated solely to herbicide application. Sprayer is calibrated regularly. Uniform application without skips, overlaps, or herbicide drift are ensured.

No points are awarded if fields are maintained with regular herbicide application, or the entire orchard floor is maintained with regular herbicide application.

7.11	Is the environmental impact of herbicide applications considered when herbicide choices and applications are planned?		5
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5 points are awarded if all of the following practices are adhered to, **3 points** are awarded if at least three practices are followed, and **1 point** is awarded if at least 2 practices are followed. **Circle the number next to each practice followed:**

1. Post emergence herbicides are considered as an alternative to soil-incorporated or pre-emergence herbicides in sensitive areas. Post emergence applications made when weed pressure is judged to exceed the economic threshold.
2. Impact of seed production if weeds are left is considered, especially for weed species first occurring in a field or orchard, when selecting a control measures.
3. Areas adjacent to fields are mowed regularly to prevent seed production.
4. Herbicide storage, handling, and applications are not performed near surface water or wells.
5. Grass filter strips are installed between fields or orchards and water sources on sloping land.
6. Post emergence herbicide applications avoided prior to rainfall or irrigation. Soil applied herbicides requiring water activation are not applied prior to rainfall events. Herbicide applications avoided on windy days to prevent spray drift.

No points are awarded if herbicides applications are based on the calendar and according to historical usage.

Subtotal D (You must have a minimum score of 33 to pass Sect. 7)		55
Total (Subtotal A + B + C + D)		185



Exhibit A
Massachusetts' Commonwealth Quality Program
REQUIREMENTS/GENERAL STANDARDS TO REGISTER
FRESH PRODUCE

The Massachusetts Commonwealth Quality logo may be used to denote any product or entity that meets the following criteria, plus individual product category requirements listed in attached exhibits. Entities not meeting the criteria to have the overall entity denoted as a Massachusetts Commonwealth Quality business are encouraged to carry registered products and take part in the program's promotional and educational aspects.

I. Fresh, unprocessed produce:

Producers of fresh, unprocessed produce can become licensed if they meet all of the following criteria:

- a. CQP listed products must be 100% harvested (sourced) in a raw/live state from a Massachusetts' location
- b. If the entity/product is inspected by the Massachusetts Department of Agricultural Resources (MDAR), USDA, FDA, or an independent certifying organization approved by the Department, the product must meet the quality standards thereof without any exception(s).
- c. Individual, organization or entity must be an active participant, and in good standing, with the USDA-GAP, or equivalent QA/Food Safety program, as determined by the Massachusetts Department of Agricultural Resources, or comply with the Massachusetts BMPs, GAPs section for specific commodity/commodity groups. For the USDA GAP/GHP requirement, only Section (1) General, (2) Farm Review, and (3) Field Harvest/Field Packing sections are required. Equivalent standards for other QA/Food Safety Programs will be reviewed, evaluated, and accepted on a case by case basis. A valid copy of registration/certification of audit status must be supplied.
- d. Individual, organization or entity must comply with the Massachusetts BMPs for specific commodity/commodity groups (excluding the GAP section as provided in c.)
- e. For any individual, organization or entity adhering to the Massachusetts BMPs/BMPs GAPs practices for specific commodity/commodity groups, a signed and certified affidavit confirming adherence to practice standards must be supplied.

II. Processors of Fresh Produce:

Processors of Fresh Cut Produce must meet additional requirements and maintain certifications determines by their respective Industry. To be licensed with Massachusetts' Commonwealth Quality Program©, producers of these products must meet all state and federal food safety sanitary requirements and may become licensed if they meet all the following criteria:



- a. The primary agricultural ingredients must be 75% (by weight or value) or more Massachusetts grown (complying with I.a.).
- b. Must be compliant with local board of health/HAACP or equivalent standards and practices.
- c. The majority of the agricultural ingredients (by weight or value) must comply with I.a.

III. Distributor/Reseller

A distributor or reseller can become licensed for use on a particular brand, product line or product if the majority of the goods sold under that brand, product line or product meets either I or II.



**Massachusetts Commonwealth Quality Program
Requirements / General Standards Certification**

I, _____, certify that I have received a copy of the Requirements/General Standards to Register ("Requirements/General Standards") for the Massachusetts Commonwealth Quality Program ("Program").

I further certify that I shall comply with the Requirements/General Standards of the Program. In the event that I fail to comply with the Requirements/General Standards, I acknowledge that my participation in the Program shall be terminated.

Signature

Date



COMMONWEALTH OF MASSACHUSETTS

**MASSACHUSETTS COMMONWEALTH QUALITY® PARTNERSHIP
TRADEMARK LICENSE AGREEMENT
BY AND BETWEEN
MASSACHUSETTS DEPARTMENT OF AGRICULTURAL RESOURCES (MDAR)
AND**

This Trademark License Agreement (“Agreement”) is hereby entered into this _____ day of _____, 20__ by and between the Massachusetts Department of Agricultural Resources, an agency of the Commonwealth of Massachusetts, with an address of 251 Causeway Street, Suite 500, Boston, Massachusetts 02114 (“Licensor”) and _____ of _____ (“Licensee”).

Licensor grants to Licensee for the term of this Agreement, a non-exclusive, non-transferable, without the right to sublicense, license to use the “*Massachusetts Commonwealth Quality*” trademark (the “Trademark”) subject to the terms and conditions of this Agreement. Such license shall be subject to Licensee’s conformance with the terms and conditions set forth in this Agreement.

Licensee agrees to use the Trademark solely as part of its program to encourage people to buy Massachusetts locally grown food and agricultural products, as described more specifically in the Program Requirements set forth in Exhibit A, attached hereto and incorporated herein by reference. Licensee’s use of the Trademark, as permitted by this Agreement, shall be subject to the restrictions contained in Program Requirements set forth in Exhibit A.

By executing this Agreement, Licensee certifies that it and its products meet and continue to meet the standards and requirements set forth herein during the term of this Agreement. If any product(s) of the Licensee is found by the Licensor to be in violation of the Licensor’s statutory, regulatory, or policy requirements, Licensee shall, as directed by the Licensor by written notice, immediately cease using the Trademark on that product(s) until Licensor determines that the product(s) are in compliance. Licensee shall use its best efforts to ensure compliance with the terms of this Agreement and shall, within thirty (30) days, make available to the Licensor or its designee for inspection, its books, records, literature, brochures, data books, data sheets, web site mentions, or advertising produced, distributed, sold, or displayed by or on behalf of the Licensee, to ensure compliance with this Agreement.

Licensor represents that to the best of its knowledge it is the owner of the Trademark.

Licensor and Licensee agree that the rights granted by this Agreement are for the sole purposes stated herein above and that any other use of the Trademark by Licensee is prohibited and shall constitute a material breach of this Agreement.

Licensee shall not use, register, or apply to register, any mark or name identical to or confusingly similar to the Trademark. Licensee shall not make any representation or engage in any act which may be taken to indicate that it has any right, title, or interest in the ownership or use of the Trademark except under the terms of this Agreement.

Licensor reserves the right to continue using the Trademark or to license the trademark to other entities.

The term of this Agreement shall begin on the date set forth herein above and shall continue for one (1) year, unless or until terminated in accordance with the terms set forth in this Agreement. Unless either party provides written notice to the other party of intent to terminate, this Agreement may renew for an additional year, subject to written confirmation executed by both the Licensor and Licensee.

Licensor may terminate this Agreement and the license granted hereunder for breach by Licensee in the event Licensee defaults under this Agreement, and fails to cure such default within thirty (30) days of written notice thereof. Upon the termination or expiration of this Agreement, all licenses granted by this Agreement shall immediately terminate.

Licensee's breach shall include, but shall not be limited to, the following: (1) use of the Trademark inconsistent with this Agreement; (2) challenge to Licensor's ownership of the Trademark or validity thereof; failure to comply with this Agreement and/or Program Requirements set forth in Exhibit C; or (3) assignment for benefit of creditors or commencement of a proceeding in bankruptcy not dismissed within sixty (60) days after commencement.

Either party may terminate this Agreement with or without cause upon giving the other party thirty (30) days' written notice.

The execution of, and any performance under, this Agreement shall not be construed as a release, diminution, or surrender of any right of the Licensor to enforce its right with respect to the Trademark against third parties. All ownership rights in the Trademark shall continue to reside with Licensor. Licensor is not aware that the trademark or use of it infringes the rights of any third party.

The Trademark is provided to Licensee "as is" and without warranty of any type or kind. Licensor disclaims any and all warranties to the extent permitted by law.

During the term of this Agreement and thereafter, Licensee agrees not to do or permit to be done any act, which would or might jeopardize or invalidate the Trademark and will not object to or otherwise contest Licensor's exclusive right, title and interest in and to, or the validity of, the Trademark.

Licensee shall immediately notify Licensor in writing if Licensee becomes aware of any unauthorized use, or proposed unauthorized use by any third party of the Trademark. Licensor shall have the right to take action against such third party, to take no action at all, or to grant Licensee the right to take action at its expense.

Licensee agrees, at its expense, to defend, indemnify, and hold Licensor, its officers, agents, and employees harmless from all third party claims, demands, causes of action and judgments (including attorney's fees, court costs, and expert fees) arising out of Licensee's misuse of the Trademark and other act or omission which constitutes a violation of this Agreement.

Licensor has the right to use Licensee's company logo on Licensor's "*Massachusetts Commonwealth Quality*" website and other promotional materials and to allow Licensor to have registered products identified at point of purchase at sales locations within Massachusetts and to use such registered products in "*Massachusetts Commonwealth Quality*" promotional activities.

This document constitutes the entire agreement of the parties relating to the subject matter of this Agreement and supersedes all prior oral or written agreement, understandings, or arrangements between and/or relating to such subject matter.

This Agreement shall be governed and construed by the laws of the Commonwealth of Massachusetts.

By executing this Trademark License Agreement, Licensor and Licensee intend to be bound by and to comply with the terms and conditions set forth herein above.

Executed as a sealed document as of the date set forth herein above.

-----Licensee:

Print Name: _____

Title: _____

Signature _____ Date: _____

Licensor: Massachusetts Department of Agricultural Resources (MDAR)

Print Name: _____

Title: Commonwealth Quality Program Coordinator
Massachusetts Department of Agricultural Resources

Signature _____ Date: _____



**The Massachusetts Commonwealth Quality Program
Documentation Checklist**

Registration Materials

<input type="checkbox"/>	Completed Commonwealth Quality Self-Audit Scoresheet
<input type="checkbox"/>	Signed Commonwealth Quality Requirements/General Standards Certification Statement
<input type="checkbox"/>	Signed Commonwealth Quality Trademark License Agreement
<input type="checkbox"/>	Completed Commonwealth Program/Product Registration Form

Please submit registration materials to:

**Commonwealth Quality Program
Massachusetts Department of Agricultural Resources
251 Causeway Street, Suite 500
Boston, MA 02115**