



**MINISTRY OF AGRICULTURE, ANIMAL INDUSTRIES AND FISHERIES
DEPARTMENT OF CROP INSPECTION AND CERTIFICATION
Plant Protection and Health Act, 2016**

CHECKLIST FOR EVALUATING MRL MITIGATING MEASURES AT PLACES OF PRODUCTION OF FRESH FRUITS & VEGETABLE.

SECTION 1: FARMER REGISTRATION

Farmer Name:.....Code: UG_____

Contact(s).....Location.....

Crop Age/Stage.....Acreage.....

GPS Location: **Lat.**.....; **Long.**.....

Weekly harvestable volume (Kg) that the farm can supply is.....as per the farm or place of production registration on
.....(date)

Company(ies) to supply:

- 1.....2.....
- 3.....4.....

SECTION 2: EVALUATION

	Compliance Criteria	Level & Score	Place Tick or Cross corresponding to Level	Satisfactory Level (Satisfactory or Non-satisfactory)	Score observed
A	FARMER UNDERSTANDING OF THE RECENT EU REGULATION ON MRL (INSERT COMMENT WHERE NECESSARY)				
1	Does the farmer understand the recent EU regulations of pesticides residues -farmer	Major Must (3)			

2	Can the producer demonstrate that Knowledgeable regarding the maximum residue levels (MRLs) of the country of destination (Market) in which the producer intends to trade is available?	Major Must(3)			
3	Is the producer knowledgeable of unacceptable active ingredients in agro-inputs?	Major Must(3)			
4	Is the producer knowledgeable of acceptable pesticide (list) in the EU?	Major Must(3)			
5	Evidence of Communication to the Farmer of the measures for MRL mitigation-farmer	Major Must(3)			
6	Is there evidence that the company has ensured that the farmer(s) are trained in appropriate pesticide use and Handling?	Major Must(3)			
7	Can the farmer ably analyze the pesticide records to establish the potential of MRL Exceedances?	Major Must(3)			
8	Has the company/farmer ever been intercepted due to exceedance of MRL? If yes, what corrective action plan has been put in place to mitigate the reoccurrences?	Minor Must(1)			
9	Document authenticity: Are documents (scouting and spray records) authentic. Submitted records (to NPPO) must be similar to those present at the farm. If these are not available, it's a non-conformity	Major Must(3)			
9	Is there evidence that the Association has conducted evaluation of MRL compliances at this farm?	Major Must(3)			
10	Does the farmer file contain a copy of the Previous MRL assessment/evaluation of compliance to mitigation measures as conducted by the NPPO.	Minor Must(1)			
11	Is there evidence of implementation of different aspects of the Action plan for previous MRL evaluation? (Where applicable)	Major Must(3)			

B	FERTILIZER APPLICATION (INSERT COMMENT WHERE NECESSARY)				
1.	Are recommendations for the application of fertilizers provided by competent & qualified persons?	Minor Must(1)			
2.	Do records of all applications of soil & foliar fertilizers, both organic & inorganic, include the following criteria:	Minor Must(1)			
	a). Geographical area, name of field& crop?	Minor Must(1)			
	b). Application dates?	Minor Must(1)			
	c) Applied fertilizer types?	Minor Must(1)			
	d). Applied quantities?	Minor Must(1)			
	e). Method of application?	Minor Must(1)			
	f). Operator details?	Minor Must(1)			
3	Does farmer have a fertiliser store?	Major Must			
4.	Are all fertilizers stored:				
	a). separately from pesticides?	Major Must(3)			
	b). In a covered area?	Major Must(3)			
	c). In a clean area?	Major Must(3)			
	d). In a dry area?	Major Must(3)			
	e). In an appropriate manner that reduces the risk of contamination of water sources?	Major Must(3)			
	f). Not together with harvested products?	Major Must(3)			
5	Where were the fertilisers purchased? (write source)				
6	Which fertilisers are used (list them)				
7.	Is there an up-to-date fertilizer stock inventory listing incoming fertilizers& records of use available?	Minor Must(1)			
8.	Does the producer prevent the use of human sewage sludge (or Undecomposed manure) on the farm?	Major Must(3)			

9.	Does the interval between the application of organic fertilizer of animal origin and the product harvest not compromise food safety?	Major Must(3)			
10.	Is the organic fertilizer stored in an appropriate manner that reduces the risk of contamination of the environment?	Minor Must(1)			
11	Is the content of major nutrients (e.g. NPK) of applied fertilizers known?	Minor Must(1)			
C	PESTICIDE (PLANT PROTECTION PRODUCTS) APPLICATION (INSERT COMMENT WHERE NECESSARY)				
1.	Is the current list kept of pesticides that are authorized in the country for use on crops grown?	Minor Must(1)			
2a.	Does the producer only use pesticides that are currently authorized/not counterfeit/not expired in the country?	Major Must(3)			
2b.	Is the farmer aware of the destination approved active ingredients?	Major Must(3)			
3.	Is the pesticide that has been applied appropriate for the target as recommended on the product label?	Major Must(3)			
4.	Are invoices and Receipts of pesticides kept? Does the company and the farmer has agro-chemical traceability control system	Minor Must(1)			
5.	Can the farmer differentiate insecticides, fungicides, bactericides and Herbicides during application?				
6.	Is the farmer knowledgeable in selecting pesticides for the target pest?	Major Must(3)			
7.	Are records of all pesticide applications kept & do they include the following minimum criteria:				
	a) Crop name & variety	Major Must(3)			
	b) Application location	Major Must(3)			
	c) Date of application	Major Must(3)			

	d) Product trade name & active ingredient	Major Must(3)			
	e) Pre harvest Interval	Major Must(3)			
	f) Application Rate(s)	Major Must(3)			
8.	Are records of all pesticide applications including the following criteria:				
	a). Operator details?	Minor Must(1)			
	b). Justification for the application?	Major Must(3)			
	c). Technical authorization for application?	Minor Must(1)			
	d). Product quantity applied?	Major Must(3)			
	e). Application machinery used?	Minor Must(1)			
	f). Weather conditions at time of application?	Minor Must(1)			
9.	Have the registered Pre-Harvest Intervals been complied with?	Major Must(3)			
10.	Is surplus application mix or tank washings disposed of in a way that does not compromise food safety and the environment?	Minor Must(1)			
11.	Does the farmer have different application equipment for insecticides, fungicides, bactericides and Herbicides?	Major Must(3)			
12.	Has action been taken to meet the MRLs of the market in which the producer is intending to trade the produce?	Major Must(3)			
13.	Have produce from this farm ever been analysed for MRLs	Major Must(3)			
14.	Is there evidence of MRL test results? Is there evidence that interpretations or recommendations therein were adhered to?	Major Must(3)			
15.	Has the producer completed a risk assessment covering all registered crops to determine if the products will be compliant with the MRLs in the country of destination?	Major Must(3)			
16.	Is there evidence of residue tests based on the results of the risk assessment?	Major Must(3)			

17	When the risk assessment determines that it is necessary to carry out residue analysis, is there evidence that:				
	a). Correct sampling procedures are followed?	Minor Must(1)			
	b). The laboratory used for testing is Approved or accredited?	Minor Must(1)			
	c). An action plan is in place in the event of an MRL is exceeded	Major Must(3)			
18.	Are pesticides stored in accordance with local regulations in a secure place with sufficient facilities for measuring & mixing them, & are they kept in their original package?	Major Must(3)			
19	Does the farmer have a separate store for pesticides?	Major Must(3)			
20	Is the farmer knowledgeable in differentiating authorised and counterfeit chemicals?	Major Must(3)			
21.	Are pesticides stored in a location that is:				
	a). Sound, Appropriate to the temperature conditions, well ventilated, well lit?	Minor Must(1)			
	b). Located away from other materials?	Minor Must(1)			
	c). Is all pesticide storage shelving made of non-absorbent material?	Minor Must(1)			
	d). Is the storage facility able to retain spillage?	Minor must(1)			
	e). Are there facilities to deal with spillage?	Minor Must(1)			
	f) Are keys & access to the storage facility limited to workers with formal training in handling pesticides?	Minor Must(1)			
22.	Are liquids not stored on shelves above powders?	Minor Must(1)			
	Is there an up-to-date pesticide stock inventory listing incoming pesticides & records of use available?	Minor Must(1)			
23.	Are there facilities to deal with accidental operator contamination?	Minor Must(1)			
24.	Does the producer offer all workers who have contact with pesticides the possibility to be submitted to annual health checks	Minor Must(1)			

25.	Are there procedures dealing with re-entry times on the sprayed area (farm)?	Major Must(1)			
26.	If concentrate pesticides are transported on & between farms, are they transported in a safe & secure manner.	Minor Must(1)			
27.	When mixing pesticides, are the correct handling & filling procedures followed as stated on the label	Minor Must(1)			
28.	Are empty containers rinsed before storage & disposal?	Major Must(3)			
29.	Are empty containers kept secure until disposal is possible?	Minor Must(1)			
30.	Does disposal of empty containers occur in a manner that avoids exposure to humans & contamination of the environment?	Minor Must(1)			
31.	Are all local regulations regarding disposal of containers observed?	Major Must			
32.	Are obsolete pesticides securely maintained, identified & disposed of by authorized channels?	Minor Must(1)			
33.	Are records available for all other substances used on crops & soil that are not covered under fertilizers & pesticides?	Minor Must(1)			
34.	Is equipment sensitive to food safety (Knapsack sprayers) maintained in a good state of repair? Does the producer share these pesticide application equipment?	Minor Must(1)			
35.	Is equipment sensitive to the environment (e.g fertilizer spreaders) maintained in a good state of repair?	Minor Must(1)			
36.	Is the pesticide equipment(s) stored in such a way as to prevent product contamination?	Minor Must(1)			
37	Is the purchased propagation material (seed, seedlings) accompanied by information of chemical treatments done by the supplier?	Minor Must(1)			

38	Are pesticide treatments recorded for nursery propagation materials applied during the plant propagation period?	Minor Must(1)			
39	Does the farm or garden location guarantee compliance to MRL mitigation?	Minor Must(1)			
40	Does the farmer know pesticides applied in neighboring garden(s) (state them)	Minor Must(1)			
41	How does the farmer avoid contamination from neighboring garden(s)	Minor Must(1)			
42	Is there evidence that the farmer has done Calibration of the Spray pump (or quantities of pesticides to be sprayed at the different stages of the crop under cultivation)? (Farmer must present and explain this documentation)	Major Must(3)			
43	Is there evidence for servicing of the Spray pump/Knap sack	Major Must(3)			
D	FARM IPM PRACTICES TO MITIGATE EXCESSIVE USE OF CHEMICALS				
1	Does the farmer understand IPM and if so, What IPM measures are being practiced in the field (list them)?	Major Must(3)			
2	Does the farmer understand the concept of scouting as an IPM?	Major Must(3)			
3	Does the farmer do scouting before spraying (check to see if Spray record is in tandem with scouting observations)	Major Must(3)			
4.	Is the frequency of scouting per week adequate (these have to be at least three times per week)	Major Must(3)			
5.	Has the farmer installed the required number of pheromone traps (as per manufacturer guide) (Include the numbers observed) per unit area/place of production to avoid over reliance on pesticides to manage pest? (Check to observe if Traps are working and efficient)				

	False codling moth	Major Must(3)			
	Fruit fly	Major Must(3)			
	Thrips and or white flies (Blue and yellow sticky traps)	Major Must(3)			
	<i>Helicoverpa</i> sp (Cotton /American boll worm)	Major Must(3)			
	<i>Spodoptera</i> sp (Fall army worm)	Major Must(3)			
6.	Is their evidence that the farmer is knowledgeable in reading, documenting trap observation and interpreting (for appropriate decision making)?	Major Must(3)			
5	Is there evidence of routine changing of Pest traps?	Major Must(3)			
6	Is there evidence that the farmer has received adequate training regarding various IPMs apart from Use of chemicals as a pest control approach?(list the trainer(s))	Major Must(3)			
	TOTAL				

PHYTOSANITARY COMPLIANCE EVALUATION FORM

	Particular	Level	Observations		Score (from Observation)
			Present/Adequate/Satisfactory (Insert a tick)	Absent/Not adequate/Not Satisfactory (0) (Insert a cross[x])	
1	Presence of Quarantine pest	Major Must (3) <i>if absent</i>			
2	Regulated Non-Quarantine pest	Major Must (3) <i>if absent</i>			
3	Scouting Records	Critical (5) <i>if adequate</i>			

4	Spray Records	Critical(5) <i>if adequate</i>			
5	Harvest Inspection form	Critical(5) <i>if adequate</i>			
6	Waste/rejected produce form and management	Minor Must (1)			
7	Farmer Knowledge in scouting	Critical (5)			
8	Farm Truck delivery form	Major Must (3)			
9	Presence of copy of previous NPPO inspection report	Critical (5)			
10	Applied previous NPPO recommendations	Major Must (3)			
11	Company agronomist reports	Critical (5)			
12	Presence of a copy of association field Inspection/assessment report and Implementation of recommendations	Critical (5)			
	Total				
	Recommendations				
	Final Deduction			Tick Appropriately	

	Cleared to harvest		
	Not Cleared to harvest		
	Partially cleared (please state reason)		
	Follow-up needed		

NOTE:

1. One critical & two major non compliances will result in disapproval of Farm
2. Two major non compliances will result in a revisit (if undertaking given to comply is within one week) otherwise will result in disapproval of the farm.
3. For one major non compliance - decision will be taken on the basis of nature of non compliance by audit team.
4. Non conformity of minor nature will be closed after verifying the facts by telephone/ by photographic evidence.

**Critical – Has to be available; Major must” requirements – these are mandatory and must be followed; “Minor must” requirements – these are important but may not be essential depending upon the produce category.*

Scores: MAJOR MUST = 3 points; MINOR MUST = 1 POINT

NAMES, SIGNATURE (also ensure to sign on each page), DATE FOR:

NPPO Team (and Stamp)

Farmer

Company Representative