

To

1. All Grape Exporters/Farmers
2. All Grape Growers' Federations
3. Maharashtra Rajya Draksha Bagaitdar Sangh, Pune
4. Fruit & Vegetable Association, Mumbai
5. All nominated laboratories
6. Director, National Research Centre for Grapes, Pune
7. All concerned Agriculture/Horticulture Officers – A P, Karnataka & Maharashtra
8. All PSC issuing Authorities – A P, Karnataka & Maharashtra
9. Commissioner, Horticulture, Govt. of Andhra Pradesh
10. Secretary, Agriculture, Govt. of Karnataka
11. Commissioner, Agriculture, Govt. of Maharashtra
12. Director, Agriculture – Andhra Pradesh, Karnataka & Maharashtra
13. Managing Director, M S A M B, Pune
14. Agriculture Marketing Adviser, DMI, New Delhi
15. All regional Agmark offices – A P, Karnataka, Maharashtra
16. Apeda Regional offices – Bangalore, Hyderabad & Mumbai
17. Existing recognized Packhouses

Sub: "Regulation of export of fresh grapes to the European Union through control of pesticide/drug residues" for the 2008 grape season.

Dear Sirs/Madam,

With reference to our discussions over the last few months, we have attempted to simplify the procedure to make it more user friendly. The web-based software has also been further modified to take into account the need for single window clearance to the extent feasible under the current situation. In line with the Government's policy for simplification, we have also considerably reduced the number of documents required for the purposes of residue monitoring. Most of these documents have been converted into an electronic form, but certain forms would be required to be maintained physically. For example, the registration certificate, pesticide residue application record, sample slip, declaration to be given by the farmer to the exporter and the declaration to be given by the exporter to the laboratory. We are now enclosing a copy of the document that has been prepared in consultation with the National Referral Laboratory, particularly, with reference to the list of recommended pesticides and those that are required to be analysed.

The cost of laboratory analysis and other inspections will be as follows :

The cost of laboratory analysis has been retained at Rs. 7,000/- per sample (50% subsidy to be provided by APEDA to the laboratories).

Cost of Agmark certification will be 0.2% of the FOB value subject to a minimum of Rs. 400/- (the laboratories will be required to remit 0.1% of the FOB value subject to a minimum of Rs. 200/- to the Directorate of Marketing and Inspection). The FOB value for the grape season of 2008 has been retained at Rs. 51.85 per kg.

The cost of issue of phyto sanitary certification, whether it is done by the laboratory or by the PSC authorities will remain the same as in 2007 (it is informed that phyto sanitary certification/inspection fee in 2007 was Rs. 172 per consignment).

In case you have any clarifications or questions, please feel free to contact us.

We wish you all a Very Hapy New Year and a successful Grape Season.

With regards,

S. Dave
Director - Apeda

TRADE NOTICE NO: QMC/GEN/049/2007
DATED: 28 December 2007

**REGULATION OF EXPORT
OF FRESH GRAPES TO THE
EUROPEAN UNION
THROUGH CONTROL OF
PESTICIDE RESIDUES**



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**REGULATION OF EXPORT OF FRESH GRAPES TO THE
EUROPEAN UNION THROUGH CONTROL OF PESTICIDE RESIDUES**

Background

Residue levels of pesticides, in food commodities, are becoming a major concern for food regulators all over the world. Since, the residue levels cannot be changed drastically, it is essential that adequate monitoring should be in place to eliminate possibility of presence of the residues in food commodities in excess of prescribed levels. Accordingly, it is necessary to check/verify pesticide residues in grapes exported to the European Union and grade them according to the Agmark standards before issue of the Phyto Sanitary Certificate (PSC) to the exporters. In order to ensure implementation of these instructions, a procedure has been developed in this Regulation of export of fresh grapes through control of pesticide residues for export of fresh grapes from India.

1.	Objective	1.1	To establish a system for controlling residues of pesticides in exportable table grapes at the farm and plot level.
		1.2	To monitor pesticide residues in soil and water at grape farms or plots and pack houses.
		1.3	To establish a surveillance system for controlling residues of pesticides allowed/recommended by the National Research Centre for Grapes for cultivation of grapes as well as for traces of other pesticides, which might be found due to previous use on the land.
		1.4	To establish a system for corrective action in the event of detection of residue levels higher than those established through this RMP.
		1.5	To establish a system for corrective action in the event of issuance of an Internal Alert Information.

		1.6	To ensure that grapes exported from India to the 27 countries of the European Union (Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Germany, Greece, Finland, France, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, The Netherlands and the U.K.) do not test for pesticide residues in excess of the prescribed levels.
		1.7	To establish a mechanism to provide for grade classification of table grapes through grant of a Certificate of Agmark Grading (CAG) by the Department of Marketing and Inspection (DMI) with a view to ensuring export of quality grapes to the European Union market.
2.	Scope	2.1	All grape farms and plots, which intend to produce grapes for export to the European Union, APEDA recognized pack houses, APEDA recognised laboratories, DMI, State Govt. and personnel engaged therein as well as their pre-requisites will get covered under these procedures.
		2.2	To introduce web-based traceability through ' <i>GrapeNet</i> ' with the objective of product recall, single window clearance and reducing paper work.
3.	Procedure for registration of farms producing grapes for exports	3.1	Each farmer, who intends to export directly or supply fresh grapes to an exporter, will apply afresh for registration of its farm and plot(s) to the concerned District Superintending Agri/Hort Officer, as per application form for registration of grape farms given in Annexure-1.
		3.2	After receiving the application from the farmer, the District Superintending Agriculture/Horticulture Officer shall <u>physically verify</u> the correctness of the information submitted by the farmer.

		<p>Only then the same will be entered in the records maintained by the District Superintending Agri./Hort. Office for the purposes of this document, and <u>not on the basis of any other records</u>. He shall also verify that plot(s) is/are not under suspension/cancelled for export to E U. In the event of cancellation/suspension of the plot(s), the Agri./Hort. Office shall take possession of the Registration Certificate from the farmer. <u>The concerned officer shall be directly responsible for any incorrect/incomplete information entered in the records and in the registration certificate issued to the farmer.</u></p> <p>3.3 Each farmer will maintain the registration and pesticide application records as per the format titled, "Plot Registration & Field Pesticide Application Record" given in the Annexure-2. The farmer and Agriculture/Horticulture officer must sign and write their complete official address. This is mandatory. The labs. will not be able to test the samples for pesticide residues if Annexure-2 is not completed by the farmers and a copy provided to the laboratory.</p> <p>3.4 It shall be the responsibility of Agriculture/Horticulture officers to ensure that information required in Annexure-2 is <u>uniformly and completely</u> maintained.</p> <p>3.5 The Annexure-2 must describe the layout with details of the adjoining farms/plots. A drawing/sketch of the layout, giving detailed description or benchmark including directions for identification, <u>also showing details of late registration plots</u>, where applicable, should be enclosed with this Annexure (see paras 3.6, 3.13 and 4.3). The drawing/sketch <u>must</u> also be signed by the Agri/Hort Officer under his official seal.</p>
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		3.6	<p>The following guidelines are required to be followed by the Agri/Hort Officers to prepare the drawing/layout of the plot(s) presented for registration/renewal :</p> <p>(a) indicate the directions (North, East, etc. of the plot,</p> <p>(b) indicate benchmarks, such as, roads, civil structures (hut, house, railway crossing, electrical sub-station, etc), canals, foot-paths, area of the plot where there are other plots (un-registered or growing other crops), AND</p> <p>(c) clearly indicate adjoining farms of other farmers.</p>										
		3.7	<p>A registration number will be given to each farm upto the plot level, which will be under the charge of an Agriculture/Horticulture Officer whose head quarter is near the farm. The farm/plot would be allotted a <u>registration number by adopting only the following code format :</u></p> <table border="1" data-bbox="776 1199 1370 1350"> <thead> <tr> <th>State</th> <th>District</th> <th>Taluka/ Mandal</th> <th>Farm No.</th> <th>Plot No.</th> </tr> </thead> <tbody> <tr> <td>AA</td> <td>11</td> <td>22</td> <td>3333</td> <td>00</td> </tr> </tbody> </table>	State	District	Taluka/ Mandal	Farm No.	Plot No.	AA	11	22	3333	00
State	District	Taluka/ Mandal	Farm No.	Plot No.									
AA	11	22	3333	00									
		3.8	<p>The plot registration certificate shall be issued only through the <i>GrapeNet</i>.</p>										
		3.9	<p>One plot will constitute a maximum area of 1 Ha. or part thereof. For marginal adjustments, the area may be extended to a maximum of 1.2 Ha. Further, in case, different varieties are grown in the same plot or there is a difference of more than 15 days in the dates of pruning within a plot (even if its area is less than 1 Ha.), it will be treated as two plots and will have two separate registration numbers.</p>										

		<p>3.10 If there is only one plot in a farm, even then the registration number will be upto the plot level by mentioning '00' at the end, e.g., AA-11 22 3333 00.</p> <p>3.11 Each plot in the farm shall be registered separately, e.g., AA-11 22 3333 01, 02, etc. Even if one or more plots of a farm are not intended to be utilised for exports, it/these will still have to be registered by the same procedure. Amendments, if any, shall be made only by authorised Govt. officials after due verifications and under their signatures.</p> <p>3.12 The registration will be <u>valid for three years</u>. However, all the registered grape farmers shall <u>renew their farm registration every year and a fresh certificate showing renewal of the plot will be issued</u>. A farmer should apply for renewal by 15th December 2007 (as informed separately by e.mail) to the Registration Authority as per format given in Annexure-1. No application for registration of grape farms/plot(s) will be accepted after 15.12.2007 (as informed separately by e.mail). However, if a farmer expects a good crop and intends to export his produce, he should register the plot before veraison stage (please see para 4.3). The registration will be subject to the satisfaction of the Agri/Hort Officer with regard to maintenance of spray records and their uniformity with Annexure-2. In such cases, registration will be done after pesticide residue analysis of grapes (at farmer's cost) from such plot areas.</p> <p>3.13 After complying with the procedure set out in paras 3.2 to 3.13, the Registration Certificate shall be issued to the applicant indicating details of the plot, name of farmer, village, taluka, mandal, district, Survey No./Gat. No. (<u>this is a critical information</u>), variety wise area, age of plot(s) and package of practices to be followed by the farmer.</p>
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		<p>3.14 The Registration/Renewal Certificate would be accompanied by following instructions, which shall also be signed by the Agri/Hort Officer under his official seal :</p> <ul style="list-style-type: none"> (a) To follow only the recommended farming practices. (b) That farmer shall not use pesticides other than those allowed for use on grapes and listed in Annexure – 5. (c) Misbranded, un-recommended or banned pesticides or any other harmful chemicals shall not be used. (d) After drawl of samples for residue testing, spraying/application of any pesticides shall not be carried out. (e) Not to allow sampling or exports of grapes from unregistered farms. (f) Amendments, if any, on the registration records or the Registration Certificates will be made only by the issuing authority. <p>3.15 All farmers shall maintain a record of package of practices followed by them in a prescribed register to be provided by the respective State Horticulture/ Agriculture Departments. This may include information on the cultural practices, application of fertilizer, dosage and date of application of insecticides, fungicides, weedicides & plant growth regulators and other chemicals.</p> <p>3.16 Each farmer, at the time of harvest, shall give a declaration to the exporter in Annexure-3 stating that pesticides, insecticides, fungicides, weedicides, etc. have not been sprayed/applied after drawl of samples for laboratory analysis. The declaration shall also state that there is no plot under the farm that is not registered by the Agri./Hort. Office and that none of the plots mentioned in the declaration are under suspension/ have been cancelled for export to EU. This declaration shall be handed over to the exporter at the time of harvesting.</p>
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		3.17	The exporter shall, at the time of Agmark inspection, provide Annexure-3 to the laboratory representative.
4.	Procedures for District Superintendent Agriculture/ Horticulture Officers	4.1	Each Agriculture/Horticulture Officer will visit the farm/plot(s) at least two times to inspect the farm/plot prior to harvesting of the grapes. The first inspection should be carried out at the time of farm/plot registration and the second one at the sampling. If the situation warrants due to potential or heavy pest/disease incidence, then an additional inspection should be made to such areas at a time considered appropriate by the Agri/Hort Officer. Each Agri/Hort Officer will prepare the report as per format of inspection report given in Annexure - 4 (A) & 4 (B) and give a copy to farmer after obtaining his signature on it. A copy of Annexure-4 (B) duly completed and signed by all concerned will be given to representative of the lab. at the time of sampling.
		4.2	In the interest of information flow in the <i>GrapeNet</i> , the Annexure-4(B) is required to be filled up by the Agri/Hort Officer through the <i>GrapeNet</i> , otherwise the farmers and exporters will face problems as the software will not move forward and lab analysis cannot take place. .
		4.3	In case of late registration of the plot(s) <u>before verasion</u> (please see para 3.13), the Agri/Hort Officer, <i>during first inspection</i> , will have to clearly demarcate such areas of the plots giving block-the-area directions and/or locations (such as near the road, well etc). This will also be indicated on Annexure-4 (A) and the Annexure-2 (and its enclosures) [please see paras 3.5 & 3.6].
		4.4	The Agri./Hort. Officer shall also verify the registration record of the entire farm and also physically check if the same is correct and complete in all respects.

		4.5	The farmer and the Agri./Hort. Officer must sign and write their complete official address on each form (Annexure 4-A to 4-B). <u>This is mandatory.</u>
		4.6	The Govts. of Maharashtra, Karnataka and A P shall maintain plot registration data in the specified format (please see para 3.7) in the web-based data-base on the Apeda website (www.apeda.com) and prints of the registration certificates shall be taken through the web-based software placed on the website.
		4.7	The Agri/Hort Officer shall not recommend drawl of samples by the laboratories in Column 15 of Form 5(B) if the farmer has not followed the officer's advice/recommendation given in Form – 4 (A) or is, otherwise, satisfied that there is likelihood of the presence of excess pesticide residues. Reasons for not recommending drawl of samples will have to be clearly stated in column 16.
		4.8	The recommendation for allowing drawl of samples shall be made by Agri/Hort Officer only through the <i>GrapeNet</i> . It is to be noted that, in the software, this recommendation can be made only after 45 days of registration of the plot.
		4.9	In case, the farmer/operator is not satisfied with the observations of the Agriculture/Horticulture Officer in Columns 15 and 16 in Form – 4(B), he may, if he so desires, prefer an appeal to the higher authorities in the concerned department of the State Govt.
		4.10	Each concerned Agri./Hort. Officer will examine the certificate of residue analysis and suggest control/corrective measures in terms of do's and don'ts.
		4.11	At the end of the grape season, the Agriculture/Horticulture Officers will have the responsibility to examine the consolidated test reports submitted by

			<p>the NRL to the State Government and also the copies e-mailed by the laboratories to them. They will also suggest corrective action to the farmers (please see para 8.7).</p> <p>4.12 Agriculture/Horticulture Officers will organize meetings with farmers and exporters regularly to provide guidance on the quality production of grapes.</p> <p>4.13 Agriculture/Horticulture Officers shall carry out awareness programmes to allow use of only registered/recommended pesticides for grapes as given in Annexure-5.</p> <p>4.14 The Agri./Hort. Officers will also provide information on active ingredients of pesticide products available in the market based on products tested by the concerned Govt. institutions.</p> <p>4.15 Agriculture/Horticulture Officers will ensure that only those chemicals/pesticides are allowed to be used by the farmers, which have complete information on labels including generic name, spray schedule, dosage, name of pest/disease affected, waiting period and also have an accompanying leaflet in the local language and in English.</p> <p>4.16 In the event of alert information issued by the NRL in respect of a grape farm (please see para 8.11), the State Government will suspend export of grapes from that farm/plot until the alert notice is revoked by the NRL based on re-testing (please see para 8.12).</p>
5.	Procedure for sampling from grape farms/plots	<p>5.1 Farmers/exporters should provide a schedule to laboratories well in advance for drawl of samples to enable them to plan their sampling arrangements.</p> <p>5.2 Samples of grapes, soil and water for laboratory testing of each grape farm/plot intended for exports shall be drawn</p>	

			for testing by the nominated laboratories and National Referral Laboratory (NRL) listed in Annexure-6 of this regulation.
		5.3	Samples for laboratory testing shall be drawn by a representative of the laboratory authorized for this purpose. At the time of sampling, he will obtain from the farmer, copy of the Annexure 2.
		5.4	After drawl of samples, the lab. official shall record the quantity of sample drawn and place his signature and date at the back of Registration Certificate.
		5.5	Laboratories are advised to enter details of samples drawn from the registered plots in the web-based software placed on the Apeda website immediately after drawl of samples. The Plot Registration Number will remain the key number for all purposes.
		5.6	The samples of grapes, soil and water shall be drawn in the presence of farmer and exporter as per the procedure given in Annexure-7 .
		5.7	Each sample will be drawn from the concerned plot, packed separately in two corrugated cartons [one will be the lab. sample and the other will be the counter sample (to be retained for test by NRL in case of dispute)]. The cartons will be sealed and signed, and handed over/ transferred to the residue – testing laboratory within 24 hours along with the sample slip as per format given in Annexure-8 . The sample slip shall be signed by the farmer, exporter and representative of the laboratory who has drawn the sample. At the time of signing the certificate in this annexure, he will also ensure that a copy of Annexure – 2 has been obtained. The lab. will not be able to proceed forward with entries in the software unless these documents have been duly obtained, verified and entered into the software.

		5.8	<p>It is recommended that the laboratories check both the forms under Annexure-4, i.e., Annexure- 4(A) and 4(B) for a better understanding of the use of chemicals on the plot. The lab. representative will also verify the signature of the farmer or his <u>authorised</u> representative on the sample slip with those given on Annexures- 4(A) and 4(B).</p>
		5.9	<p>Laboratories shall not draw samples plot(s) under the following conditions :</p> <ul style="list-style-type: none"> (a) If the plot(s) is/are not actually registered with the Distt. Agri./ Hort. Office or the plot(s) is/are not under suspension/have been cancelled for export to the E U. (b) If the Registration No. of the plot(s) is not in the coding format given in para 3.7 above, (c) If the farmer/exporter fails to provide a copy of the Registration Certificate along with sketch/ drawing of the lay-out of the adjoining plots (please see paras 3.5 and 3.6 above), (d) In case of any inconsistency (10% variation allowed) in the calculation of area of plot and likely production stated in the Annexures-2 (for area purposes) and 4(B), (e) Unless there is a clear recommendation by the Agri/Hort Officers in Column 15 of the Annexure-4(B) to this effect, (f) If the signature of the farmer or his authorised representative on the sample slip does not match with those given on the Annexure-2 and 4(A) & 4(B),

- (g) Until the laboratory representative has verified that the sample is being drawn from the plot whose registration is valid,
- (h) Until relevant calculations have been carried out as per procedure given in Annexure-7, **and**
- (i) Unless the sample slip, duly filled, accompanies the sample. The samples and the sample slip will go together to the laboratory.

5.10 For movement of the samples from plot to the laboratories, a record showing the chain of custody in the following format will be maintained, and this record will also move with the samples and documents :

Person	Name	Date	Sign
Sampler			
Courier-1			
Courier-2			
Laboratory			

5.11 The representative of the laboratory drawing the sample shall mark the sample with the sample slip number so as to co-relate the sample slip with the sample drawn.

5.12 On arrival in the laboratory, each sample shall be numbered by indicating the relevant code number as per procedure followed by the laboratory.

5.13 All the exporters/recognised packhouses and laboratories shall retain representative samples (see para 7.5) of the exported grapes in their cold storages for a period of 60 days from the date of test report as per directions given in Annexure – 7.

6.	Accreditation/ Recognition requirements and the responsibility of Nominated Laboratories	6.1	All the nominated laboratories shall be accredited to the National Accreditation Board for Testing and Calibration Laboratories (NABL) and/or accredited to ISO/IEC-17025.
		6.2	All the nominated laboratories shall have a valid APEDA recognition under its scheme for laboratory recognition.
		6.3	The laboratories shall test for residue levels of the pesticides (listed in Annexure-9) to be monitored for exports as per the method of analysis given in AOAC/Codex or, where necessary, as per the validated methods recommended by the NRL.
		6.4	Based on the findings of the previous grape season, soil and water testing will be done in from areas identified by the NRL. The test report should reflect the detection limits and results. Copy of report shall be provided by the labs. to the farmer/exporter and NRL.
		6.5	<u>After ensuring that para 5.8 is complied with</u> , the recognised laboratory shall nominate its representative for drawing samples of grapes, soil and water as per the procedure given in Annexure-7.
		6.6	The certificate of residue analysis will be issued as per the format given in Annexure-10 <u>only</u> through <i>GrapeNet</i> .
		6.7	The laboratory shall calculate the area of the farm/plot(s) [see Section 5] and total likely production of the plot (S.No. 6) declared in Annexure-10 on the basis of Annexure-2 (for area purposes) and Annexure-4(B) only. Inconsistency beyond the 10% variation, if any, observed in the two documents shall be immediately reported by them to the NRL [please see paras 5.8(d) and 8.13].

		6.8	<p>In case, the test results exceed the MRLs with respect to the destination of the consignment declared by the exporter/ farmer, the nominated laboratory will immediately (within 24 hours) bring the matter to the notice of NRL, Horticulture/Agriculture officer (whose address is given in Annexure – 2) and APEDA along with a copy of the test report giving details of the plots and the pesticides exceeding the levels. The laboratories shall, in case of failed samples, also send the chromatograms, etc. to the NRL by speed-post/courier.</p>
		6.9	<p>In case a grape sample fails and an internal alert has been issued by the NRL, the farmer/exporter may choose to have re-sampling done at a later date (see Annexure-8). In such cases, if the second sample passes the test, the lab. shall, without delay, intimate the NRL to enable them to revoke the Internal Alert Information, which shall be effective from that date (see para 8.12).</p>
		6.10	<p>The nominated laboratories are under an obligation to provide access, on demand, to their analysis records (including chromatograms) to authorised officials of APEDA, National Referral Laboratory and the State Govt. The inspection may be carried out by NRL without prior notice to the laboratory.</p>
		6.11	<p>The nominated laboratories will participate in the training / inter-lab. / proficiency testing programmes organized by the NRL. The laboratories should be ready in all respects by the 15th December 2007 for this purpose (as informed separately by e.mail).</p>

7.	Procedure for the issue of Certificate of Agmark Grading (CAG) and Phyto Sanitary Certificate (PSC)	7.1	The complete procedure for grant of Certificate of Authorisation and the Certificate of Agmark Grading (CAG) is set out in Annexure-11 . The CAG will be issued only after receipt of the inspection report from the laboratories through e-mail. The exporters should ensure availability of the chemicals, apparatus, etc as given in <u>Appendix – (i)</u> to the Annexure-11.
		7.2	<p>The farmer/exporter will request one of the nominated laboratories to issue the Phyto Sanitary Certificate alongwith the Exporter's / Shipper's declaration (given at Annexure-12) and the container loading sheet/packing list. The lab. shall verify the following documents at the time of inspection :</p> <ul style="list-style-type: none"> (i) Packhouse Recognition Certificate issued by APEDA, and (ii) Certificate of Authorisation issued by the Directorate of Marketing and Inspection (DMI).
		7.3	The onus of proving veracity of the contents of the Annexure-12 lies with the exporter/shipper.
		7.4	<p>The PSC authorities / labs shall issue the PSC only after satisfying themselves that::</p> <ul style="list-style-type: none"> (i) signature of farmer on the sample slip matches with those given on Annexures 2, 4(A) and 4(B), (ii) after physical verification of the produce at the APEDA recognised pack-house, (iii) the quantity of produce covered by the request for issue of PSC is calculated on the basis of Annexure - 2 (for area purposes) and Annexure-4(B) and

			(iv) the data logger equipment attached to the cold store storing the consignment has been maintained in the cold store in the temperature range of 0-1°C and Relative Humidity of 90-95%.
		7.5	The lab. / PSC representative shall, at the packhouse, draw a representative sample from the consignment, which will be sealed/marked properly and handed over to the exporter/packhouse for storage (please see para 5.12).
		7.6	In case of one grape plot, only one random sample shall be drawn from the consignment meant for export, which will be sealed/marked properly and handed over to the exporter/pack house for storage.
		7.7	The lab. / PSC official shall mark the representative sample drawn with the Laboratory Test Report Number(s).
		7.8	The container-loading sheet (packing list) should contain details of farmer name, farmer code, quantity per packet, total quantity, etc.
8.	Responsibilities of the National Referral Laboratory (NRL)	8.1	The NRL will monitor the work of nominated laboratories by conducting surveillance audit to ascertain that they are following the criteria laid down under this monitoring system.
		8.2	The NRL, on the basis of the data, will prepare an action for the following year.
		8.3	The NRL shall draw 5% of the samples directly from the recognised packhouses pertaining to the batches tested by the laboratories as a measure of conformity
		8.4	The NRL shall also evaluate 5% test data of the samples analysed by the nominated laboratories pertaining to the batches tested by the nominated laboratories as a measure of conformity.

		8.5	Where residue levels are found to be higher than permitted levels, depending upon the destination of the consignment declared by the exporter/ farmer, the NRL will advise the exporters/farmers about the control measures to be taken.
		8.6	The NRL shall evaluate the soil & water test reports expeditiously and suitably advise the concerned farmer/ exporter and the Agri/Hort Officer.
		8.7	The NRL shall organize training on testing of each residue or groups of residues for the nominated laboratories as well as the farmers.
		8.8	NRL shall organize the inter-laboratory/ proficiency testing 3 - 4 times during the grape season and guide the laboratories.
		8.9	The NRL shall organize interactive meetings between various stakeholders on a regular basis. Participants in these meetings shall invariably include farmers, exporters, agri./hort. officers, PSC issuing authorities, Agmark officials, pesticide registration authorities and APEDA.
		8.10	The NRL shall update itself, APEDA, State Governments and the nominated laboratories with regard to the list of pesticides and their MRLs. However, the exporters shall also update themselves about the changes in MRL values and inform the NRL. The NRL will also prescribe the method of sampling/ testing/analysis and validation.
		8.11	Upon receipt of an alert notice from a nominated laboratory about a failed sample, the NRL shall, without delay, and in any case within 24 hours unless the NRL considers it necessary to carry out any investigation, issue an Internal Alert Information to the State Govt., exporters, laboratories and APEDA

			<p>under intimation to the farmer in respect of the plot(s), in case of detection of higher residues or major elements than the limits prescribed in this document as amended from time to time. A format of Internal Alert Information is given in Annexure - 13.</p>
		8.12	In case a grape plot, on re-testing of a sample, passes the MRL test (see para 6.9), the NRL shall, without delay, revoke the Internal Alert Information, which shall take effect on that date. In this regard, the NRL shall intimate all concerned about new status of the plot.
		8.13	In the event of any report of inconsistency received from a laboratory in terms of para 6.7 above, the NRL shall immediately take corrective action through interaction with the State Agri/Hort offices.
9.	Powers of National Referral Laboratory	9.1	The NRL shall have the right to draw samples from registered grape farms, packhouses and laboratories.
		9.2	The NRL shall have the right to verify analysis data corresponding to the samples drawn and/or tested by the designated laboratories.
		9.3	The NRL shall have the authority to recommend to APEDA and/or NABL, derecognition of nominated laboratories in the event of non-compliance with the procedure for drawl of samples, testing of grapes, etc.
10.	Overall Monitoring	10.1	Export of grapes will take place only from the registered farms/plots
		10.2	Export of grapes will take place only if these are processed and packed in packhouses recognised by APEDA and have been duly subjected to tests and grading and phyto-sanitary inspection.

		10.3	APEDA may inform the Governments of importing countries and the European Commission the names, addresses of recognized packhouses as well as the designated laboratories and will also display the list on its website.
		10.4	APEDA will ensure that the control measures suggested by the NRL are implemented by all concerned.
		10.5	When necessary, APEDA will nominate a Committee consisting of representatives of exporters/association, designated laboratories and APEDA under the leadership of National Referral Laboratory. As a test, the committee will evaluate the procedure followed by the exporters. A sample size of 5% covering both small and large packhouses will be taken for the purpose. Complete records of 5% quantity of grapes, taken on a random basis, exported by the exporter will be checked at the end of the season.
		10.6	APEDA will assess the work carried out by the NRL with respect to the responsibilities laid down in this document as amended.
11.	Penal Provisions	11.1	In the event of breach of this regulation for controlling pesticides residues in fresh grapes, APEDA may initiate action as per the provisions of section 19(3), Chapter-V of APEDA Act, 1985 (Extract from APEDA Act given in Annexure-14), in addition to the following : a) Cancellation of the Registration-cum-Membership Certificate of exporters. b) De-recognition of packhouses. c) Notifying to DGFT for cancellation of Import-Export Code No. allocated to such exporters. d) Any other action as deemed fit.

Date : 28 December 2007
Place : New Delhi

(S. DAVE)
DIRECTOR, APEDA

Annexure-1 – Physical Document
APPLICATION FOR REGISTRATION/RENEWAL OF GRAPE PLOT(S)
(TO BE SUBMITTED BY THE FARMER)

To:

Agriculture/Horticulture Officer
Taluka/Mandal.....
District.....
State.....

Sub: Registration/Renewal of Grape Farm for Exports

Dear Sir,

You are requested to kindly register/renew my name as a grapes farmer.
Other necessary details are as follows :

- 1) Name of the farmer with address
- 2) Father's/Husband's name
- 3) Names of partners
- 4) Farm/Plot location along with maps/layout of the plot(s)
(please highlight late registration areas clearly)
- 5) Taluka/Mandal
- 6) District
- 7) State
- 8) Telephone No.
- 9) E-mail address
- 10) Total farm area (in Ha.)
- 11) Number of plots in the farm with area of each plot:
(please see paras 3.6 to 3.13)

PLOTS	SURVEY/ GAT No.	CURRENT REGN. No.	AREA (Ha.)	VARIETY	LATE REGN. (Yes/No)
Plot 01					
Plot 02					
etc.					

- 12) Crop variety & total area cultivated plot-wise
- 13) Total likely production (in MT)
- 14) Date of plantation (month & year) plot-wise
- 15) Probable date of harvesting
- 16) Pack-house Registration No., if any, and its validity
- 17) Application fee of Rs. 50/- per plot vide Cash/DD No.
_____ dated _____ enclosed (not applicable in case of renewal).

It is certified that the plot mentioned above is not under suspension/has been cancelled for export of grapes to the European Union.

Date :
Place :

Signature of the Farmer
Name of Farmer

Annexure-2- Physical Document

PLOT REGISTRATION AND FIELD PESTICIDE APPLICATION RECORD

(TO BE MAINTAINED BY THE FARMER/EXPORTER)

[copy to be given to authorized representative of the laboratory at the time of sampling]

- 1) Plot Registration Number :
- 2) Date of Registration/Renewal of plot :
- 3) Name of the farmer/operator with address :
- 4) Location of plot (lay out/benchmark) * :
- 5) Total area of the registered farm/plot (Ha) :
- 6) Name of grape variety :
- 7) Date of planting :
- 8) Date of pruning :
- 9) Likely production :
- 10) Pesticide application machinery used :
- 11) Pack-house Registration No., if any, and its validity :
- 12) Technical authorization for use :

Sr No	Date	Days after pruning	Trade name of pesticide	Active ingredient	Batch No.& Date	Target pest	Preventive/curative	Pesticide gm/ml per litre	** Pesticide quantity per plot	** Water per plot	Pre-harvest Interval (PHI)	Days to harvest		Time of Spray	Name & sign of operator
												Est.	Actual		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.

* The drawing/sketch of the layout of the farm / plot(s) also showing the adjoining properties must be enclosed.

** Plot size constitutes a maximum of 1.2 Ha (see para 3.9).

1. It is certified that registration of the above mentioned plot has been done as per procedure given in para 3.2 to 3.11 of the “Regulation of Export of Fresh Grapes to the European Union through Control of Pesticide Residues” and details of the above plot have been entered on the web-based data-base maintained on the Apeda web-site.

Contd.....

2. It is also certified that a copy of the annexure along with a copy of the Registration Certificate, drawing/map layout of the plot and this annexure, duly signed, have been handed over to the farmer/exporter as the case may be.

Date :

Place:

Signature of the Farmer/Authorised Operator

Address

(mandatory)

The above information is correct. The total likely production of this plot during the 2007 grape season is estimated to be MT.

Checked and certified

by Agriculture/Horticulture Officer

Name and Signature:

Official address of Agriculture/Horticulture Officer

(mandatory)

Annexure-3 – Physical Document

DECLARATION

(TO BE GIVEN BY THE FARMER TO THE EXPORTER)

I, _____, resident of _____ and having grape farm with Plot(s) Registration Nos. _____, renewed on _____ (if applicable), hereby, certify that :

- 1) All plots under my/our farm (including those that are not intended to be utilized for export purposes) have been registered with the District Agri./Hort. Office by following the procedure laid down in this document and that none of the plots mentioned above are under suspension/have been cancelled for export to the E U.
- 2) On _____, I have allowed drawl of the grape samples by the authorized representative of _____ (laboratory) for testing. After drawl of samples as per procedure prescribed in Annexure-8 of the regulation of export of fresh grapes through control of pesticide residues, I have not sprayed any kind of pesticides, insecticides, fungicides, weedicides, including herbal products (excluding growth regulators) on the grape plot.
- 3) Harvesting of _____ MTs/Kgs. of grapes from my plot(s) has been carried out under my supervision on _____ and the grapes have been stored in _____ numbers of crates/ boxes/etc.
- 4) I propose to effect export of the harvested grapes myself/through M/s _____ (exporter). The address of cold storage/ packhouse will be as follows:

----- (APEDA Registration No. of pack house and its validity)
- 5) The balance quantity of approximately _____ MTs/Kgs. of grapes remaining in the plot(s) referred to above shall be informed to the District Agriculture/Horticulture Office.

Date:
Place:

Signature of farmer
with Plot Registration Numbers

**Inspection report of Grape Farm/Plot
To be maintained by the Agriculture/Horticulture Officer and Farmer
First Inspection Report
(At the time of registration/renewal of registration)**

1.	Name and address of the Farmer/Grower	Name At. Post Taluka/Mandal District & State Phone No.
2.	Plot Registration No. and date of renewal)	
3.	Address of the Plot	At. Post Taluka/Mandal District State
4.	Total area of the Plot Map of the Plot (<i>please indicate all sides of farm crops grown</i>)	Survey/Gat. No..... Area.....Ha. (<i>Attach Annexure-2 and map layout</i>)
5.	If late registration (before verasion), indicate areas demarcated <i>[see paras 3.5, 3.6 and 4.3]</i>	
6.	Whether Plot is certified for Good Agriculture Practices (GAP). If so, attach a copy of valid certificate	Certificate No..... Date
7.	Last year's export details a) Quantity (MT) b) Name of Exporter c) Name of packhouse d) Name of laboratory where sample was analysed	
8.	Whether Internal Alert Notice issued by NRL, Pune in 2007 grape season	Yes/No (If yes, give details of the alert notice)
9.	Date of Pruning	
10.	Condition of the crop relating to pests and diseases and stage of crop	
11.	Any advice given to the farmer	
12.	Recommendations of inspecting authority (whether plot is fit for registration/renewal of registration)	Yes/No (if no, give specific reason)
13.	Date of Inspection	

It is certified that the registration details of the above plot has been entered on the web-based data-base maintained on the Apeada web-site.

Signature of Farmer/Grower

Signature of Inspecting Officer
Name and Full address of the
Inspecting Officer with seal

CC : Farm/Plot Registration Authority

Annexure – 4(B) – Electronic Document

**Inspection report of Exportable Grape Farm/Plot
To be maintained by the Agriculture/Horticulture Officer and Farmer
Second and Final Inspection Report
(maximum 20 days before sampling)**

(copy must be given to representative of laboratory at the time of sampling)

1.	Farm/Plot Registration No.	
2.	Survey No./Gat No.	
3.	GAP Certificate No., if any	
4.	Name and address of the Farmer/ Grower	Name At. Post Taluka/Mandal District State Phone No.
5.	Address of the Plot	At. Post. Taluka/Mandal District State
6.	Total area of the plot (Ha)	
7.	First Inspection Report No. & Date	
8.	Condition of the crop relating to pests and diseases and quality of the crop	
	a) Powdery mildew	Yes/No
	b) Downy mildew	Yes/No
	c) Anthracnose	Yes/No
	d) Mealy bugs	Yes/No
	e) Thrips	Yes/No
	f) Other pests or diseases	Yes/No (if yes, give the names of pests and diseases)
	g) Any other observation concerning quality (browning, etc.)	
9.	Explain implementation of the NRC production guidelines	
10.	Likely total harvest of the plot (MT)	
11.	Tentative date of harvesting	
12.	Name of laboratory where samples	

	being analysed	
13.	Whether pesticide spraying schedule has been as per the NRC recommendation	Yes/No (if no, please substantiate)
14.	Whether farmer has followed other advice/recommendations of Agri/Hort Officer during the year	Yes/No (if no, please substantiate)
15.	Whether sampling should be done by the laboratory (please see para 4.7 of regulation)	Recommended/Not Recommended
16.	Reasons for not recommending drawl of samples (please see para 4.7 of regulation)	
17.	Advice/Recommendation given to the farmer concerning incidence of pests & diseases and quality of grapes at this stage.	
18.	Date of inspection	

Signature of Farmer/Grower

Signature of Inspecting Officer
Name and
Full address of the Inspecting Officer
with seal

- CC : 1. Farm/Plot Registration Authority
2. Representative of the laboratory

ENDORSEMENT BY THE SAMPLE DRAWING LABORATORY

This is to certify that I have personally drawn the samples of grapes from this plot, for the purposes of laboratory analysis and by adopting the procedure given in Annexure - 7. I have obtained a copy of currently valid Registration Certificate, plot drawing/map layout and that the location of this plot is as per the map. I have verified that the registration of the plot(s) is/are valid. I have also obtained a copy of Annexure - 2.

Date :
Place :

Signature :
Name of authorized :
representative of
Nominated Laboratory
Official address :

PESTICIDES RECOMMENDED FOR THE CONTROL OF VARIOUS DISEASES AND INSECT PESTS BASED ON THE STUDIES AT NRC GRAPES AND AICRP ON GRAPES OF ICAR (2007-2008)



**NATIONAL RESEARCH CENTRE FOR GRAPES
(Indian Council of Agricultural Research)**

P.B. No. 3, Manjri Farm P.O., Solapur Road, Pune - 412 307, India

Tel.: 020-26914245, 25169101 Fax: 020-26914246

E-mail: director@nrcgrapes.res.in, nrcgrape.mah@nic.in

Website: <http://nrcgrapes.mah.nic.in>

S. No.	Pesticide recommended for major disease and pest	Nature of pesticide	Dose formulation on basis	MRL (mg/kg)				Pre-harvest Interval in Days (PHI)
				EU	UK	NL	Germany	
I	Downy Mildew							
1.	Mancozeb 75 WP	NS	1.50-2.00 g/L	2.00	2.00	3.00	2.00	35
2.	Ziram 80 WP, 27SC	NS	1.50-2.00 g/L, 3.5 mL/L	2.00	#	3.00	2.00	66
3.	Propineb 70 WP	NS	3.00 g/L	2.00	2.00	3.00	2.00	40
4.	COC 50 WP	NS	2.50 g/L, 2.40g/L	#	#	Cu = 20.00	40.00	42 (Avoid using after fruit set)
5	Copper hydroxide 77 WP	NS	2.00 g/L	#	#	Cu = 20.00	40.00	42 (Avoid using after fruit set)
6.	Bordeaux Mixture(Copper Sulphate+ Lime (ISI mark chemicals preferred))	NS	Pre-sprouting 1.00 % Post-sprouting 0.50%	#	#	Cu = 20.00	40.00	42 (Avoid using after fruit set)
7.	Captan 50 WP, 75 WP	NS	2.50 g/L, 1.67 g/L	0.02	0.02	0.02	0.02	60
8	Chlorothalonil 75 WP	NS	2.00 g / L	1.00	1.00	1.00	1.00	60
9.	Fosetyl AL 80 WP	S	1.40-2.00 g/L	#	#	0.2	5.00	30
10.	Metalaxyl + Mancozeb 8+64 WP	S+NS	2.50 g/L	2.00+ Mancozeb 2.00	2.00+ Mancozeb 2.00	2.00+ Mancozeb 3.00	2.00 + Mancozeb 2.00	66
10a.	Metalaxyl M + Mancozeb 4+64 WP	S+NS	2.50 g/L	2.00+ Mancozeb 2.00	2.00+ Mancozeb 2.00	2.00+ Mancozeb 3.00	2.00 + Mancozeb 2.00	66
11.	Cymoxanil + Mancozeb 8+64 WP	S+NS	2.00 g/L	0.10 + Mancozeb 2.00	0.10 + Mancozeb 2.00	0.05 + Mancozeb 3.00	0.20 + Mancozeb 2.00	66

S. No.	Pesticide recommended for major disease and pest	Nature of pesticide	Dose on formulation basis	MRL (mg/kg)				Pre-harvest Interval in Days (PHI)
				EU	UK	NL	Germany	
12	Dimethomorph 50 WP + Mancozeb 75WP as tank mixture	S + NS	0.50 to 0.75 g/L + 2.00g/L	# Mancozeb 2.00	# Mancozeb 2.00	0.05 + Mancozeb 3.00	3.00 + Mancozeb 2.00	66
13.	Azoxystrobin 23 SC	S	200.00 mL /Acre	2.00	2.00	2.00	2.00	7
II	<u>Powdery Mildew</u>							
14.	Penconazole 10 EC	S	0.50 mL/L	0.20	0.20	0.20	0.20	50
15.	Triadimefon 25 WP	S	0.50-1.00 g/L	2.00	2.00	2.00	2.00	45
16.	Hexaconazole 5 EC, 5 SC	S	1.00 mL / L or 0.50 mL/L along with 5.00 g / L potassium bicarbonate	0.10	0.10	0.10	0.10	38
17.	Myclobutanil 10 WP	S	0.40 g/L	1.00	1.00	1.00	1.00	30
18.	Flusilazole** 40 EC	S	25.00 mL / 200.00L	#	#	0.05	0.05	50 **
19.	Fenarimol 10 EC	S	0.40 mL / L	0.30	0.30	0.30	0.30	30
20.	Difenoconazole 25EC	S	0.50 mL / L	#	#	0.05	0.05	45
21.	Dinocap 48 EC	NS	0.30 - 0.35 mL/L	#	#	0.05	0.50	50
22.	Sulfur 40 SC, 55.16 SC, 80 WP, 80 WDG, 85 WP	NS	3.00 mL, 3.00mL, 2.50 g, 1.87-2.50 g, 1.50-2.00 g per L respectively	#	#	50.00	50.00	15
23.	Potassium bicarbonate	NS	5.00 to 10.00 g / L	—	—	—	--	--
24.	Azadirachtin 0.03% (Tricure)	Neem based EC formulation	4.00 mL/L	--	--	--	-	2
13a.	Azoxystrobin 23 SC	S	200.00 mL / Acre	2.00	2.00	2.00	2.00	7
III	<u>Anthraco</u>							
2a.	Ziram 80 WP, 27SC	NS	1.50-2.00 g/L, 3.50 mL/L	2.00	#	3.00	2.00	66
3a	Propineb 70 WP	NS	3.00 g/L	2.00	2.00	3.00	2.00	40
4a.	COC 50 WP	NS	2.50 g/L, 2.40g/L	#	#	Cu = 20.00	40.00	42 (Avoid using after fruit set)
5a.	Copper hydroxide 77 WP	NS	2.00 g/L	#	#	Cu = 20.00	40.00	42 (Avoid using after fruit set)
25.	Kitazine 48 EC	S	2.00 mL/L	#	#	#	0.01	50

S. No.	Pesticide recommended for major disease and pest	Nature of pesticide	Dose formulation on basis	MRL (mg/kg)				Pre-harvest Interval in Days (PHI)
				EU	UK	NL	Germany	
26.	Carbendazim 50 WP, 46.27 SC	S	1.00 g/L, 1.00 mL/L	0.30	0.30	0.30	0.30	50
IV	<u>Post harvest berry rots</u>							
27.	Iprodione 50 WP	NS	2.00 g / L	10.00	10.00	10.00	10.00	7
V	<u>Flea beetles</u>							
28.	Carbaryl 50 WP	NS	2.00 g/L	0.05	0.05	0.05	3.00	42
29.	Imidacloprid 200 SL	S	0.30 mL/L	#	#	1.00	1.00	60
30.	Thiamethoxam 25 WG	S	0.25 g/L	#	#	0.05	0.50	40
31.	Lambda-cyhalothrin 05 EC/CS	NS	0.50 mL/L	0.20	0.20	0.20	0.20	30
32.	Clothianidin 50 WDG	S	0.12 g/L	#	#	#	0.50	40
VI	<u>Thrips and Jassids</u>							
30a.	Thiamethoxam 25 WG	S	0.25 g/L	#	#	0.05	0.50	40
33.	Spinosad 45 SC	NS	0.25 mL/L	0.50	0.50	0.20	0.20	28
34.	Emamectin benzoate 05 SG	NS	0.22 g/mL/L	#	#	#	0.01	25
35.	Difenthiuron 50 SC	S	0.80 g/mL/L	#	#	#	0.01	45
36.	Dimethoate 30 EC	S	1.00 mL/L	0.02	0.02	0.02	0.02	100 (Should not be used after blossom)
37.	Endosulfan 35 EC	NS	2.00mL/L	0.50	0.50	0.50	0.50	65
24a.	Azadirachtin 1% and 5% (Neemazal T/S 1%, Neemazal F 5%, Econeem plus 1%, Ozoneem Thrishul 1%)	Neem based EC formulation	1% & 5% @ 2.00 & 1.00mL/L	--	--	--	-	3
31a.	Lambda-cyhalothrin 05 EC/CS	NS	0.50 mL/L	0.20	0.20	0.20	0.20	30
29a.	Imidacloprid 200 SL	S	0.30 mL/L	#	#	1.00	1.00	60
32a.	Clothianidin 50 % WDG	S	0.12 g/L	#	#	#	0.50	40
VII	<u>Mealy bugs</u>							
38.	Chlorpyrifos 20 EC	NS	2.00 mL/L	0.50	0.50	0.50	0.50	40
39.	Malathion 50 EC	NS	2.00 mL/L	0.50	0.50	0.50	0.50	40
40.	Phosalone 35 EC	NS	2.00 mL/L	1.00	1.00	1.00	1.00	40
41.	Methomyl 40 SP	S	1.00 g/L	0.05	0.05	0.05	0.05	61
42.	Dichlorvos 76 EC	NS	1.00 mL/L	0.01	0.01	0.01	0.01	20

S. No.	Pesticide recommended for major disease and pest	Nature of pesticide	Dose formulation on basis	MRL (mg/kg)				Pre-harvest Interval in Days (PHI)
				EU	UK	NL	Germany	
43.	Cartap Hydrochloride 50 SP	S	2.00 g/L	#	#	1.00	0.01	15
44.	Buprofezin 25 SC	NS	1.25 mL/L	#	#	0.05	0.02	40
29b.	Imidacloprid 200 SL	S	1.50 mL/L/vine as soil drench	#	#	1.00	1.00	60
29c.	Imidacloprid 70 WG	S	0.45 g/L/vine as soil drench	#	#	1.00	1.00	60
24b.	Azadirachtin 1% and 5% (Neemazal T/S 1%, Neemazal F 5%, Econeem plus 1%, Ozoneem Thrishul 1%)	Neem based EC formulations	1% & 5% @ 2.00 & 1.00 mL/L	--	--	--	--	3
VIII	Caterpillars							
40a.	Phosalone 35 EC	NS	2.00 mL/L	1.00	1.00	1.00	1.00	40
38a.	Chlorpyrifos 20 EC	NS	2.00 mL/L	0.50	0.50	0.50	0.50	40
41a.	Methomyl 40 SP	S	1.00 g/L	0.05	0.05	0.05	0.05	61
33a.	Spinosad 45 SC	NS	0.25 mL/L	0.50	0.50	0.20	0.20	28
31b.	Lambda-cyhalothrin 05 EC/CS	NS	0.50 mL/L	0.20	0.20	0.20	0.20	30
24c.	Azadirachtin 1% and 5%	Neem based EC formulations	1% & 5% @ 2.00 & 1.00 mL/L	--	--	--	--	3
IX	Mites							
45.	Dicofol 18.5 EC	NS	1.00 mL/L	2.00	2.00	2.00	2.00	100
46.	Abamectin 1.9 EC	NS	0.50 mL/L	0.01	0.01	0.01	#	7
35a.	Difenthiuron 50 SC	S	0.80 mL/L	#	#	#	0.01	45
24d.	Azadirachtin 1% and 5% (Neemazal T/S 1%, Neemazal F 5%, Econeem plus 1%, Ozoneem Thrishul 1%)	Neem based EC formulations	1% & 5% @ 2.00 & 1.00 mL/L	--	--	--	--	3

NS= Non systemic

S= Systemic

= No MRLs given as yet

Note

- All the doses mentioned above are for high volume sprayers, where normal spray volume is 1000 L/ha. Spray volume can however, be changed as per the efficiency of sprayers used. However, the amount of each pesticide (active ingredient) recommended for 1 ha on the basis of 1000 L spray solution per ha should be strictly maintained to minimize pesticide residues.
- After fruit set, all fungicides containing Mancozeb or Dithiocarbamates should be avoided.
- Dinocap should not be used when tender shoots are present in canopy.
- Recommended PHI will be valid only if maximum 2 sprays are applied per Fruiting season at 7-15 days interval at recommended doses.

** The PHI of Flusilazole pertains to one application by foliar spray only.

Annexure-6

LIST OF NOMINATED LABORATORIES
(RECOGNISED BY APEDA OR ACCREDITED TO NABL/ISO-17025)

S. No	Name of the Laboratory	Status
1)	National Research Centre for Grapes P.B. No. 3, PO Manjri Farm P.O. Solapur Road Pune – 412 307 (Maharashtra) Phone : 91-20-26914245, 26914246 Fax : 91-20-26914246 E-mail: nrcgrape@mah.nic.in	National Referral Laboratory for Grapes
2)	Geo-Chem Lab Pvt. Ltd., Mumbai 36, Raja Industrial Estate, 1 st Floor, Purushottam Kheraj Marg, Mulund (West), Mumbai – 400 080. Phone : 022-67974999 Fax : 022-67974616 E-mail: neel@geochemgroup.com laboratory@geochemgroup.com	Accredited to NABL/ISO-17025, recognized by APEDA
3)	Insecticide Residue Testing Laboratory Krishibhavan, Shivajinagar, Pune – 411 005 Phone /Fax: 020-25510300 E-mail : irtlpune@rediffmail.com vijayskolekar@gmail.com irtlpune@yahoo.co.in	Government laboratory recognized by APEDA
4)	National Horticultural Researches and Development Foundation (NHRDF) P.B. No. 61, Kanada Batata Bhavan, 2954-E, New Mumbai Agra Road, Nasik – 422 011. Phone : 0253-2592531, 2592523 Fax : 0253-2596606 E.mail : nhrdf_nsk@sancharnet.in	Accredited to NABL/ISO-17025, recognized by APEDA

5)	<p>Reliable Analytical Laboratory A-1, 5 Acres, Kothari Compound Tiku - ji - ni Wadi Road Manpada, Thane (W) – 400 607 Phone : 022-25899490, 25899491 Fax : 022-25899492 E-mail: reliablelabs@vsnl.net reliablelabs@hotmail.com</p>	<p>Accredited to NABL/ISO-17025, recognised by APEDA</p>
6)	<p>Vimta Labs Ltd. 142, IDA, Cherlapally, Hyderabad – 500 051 Phone : 040-2726 4141, 2726 4444 Fax : 040-27263657 E-mail: crm@vimta.com sudhakar@vimta.com</p>	<p>Accredited to NABL/ISO-17025, recognised by APEDA</p>
7)	<p>SGS India limited, 1/509 A, Old Mahabalipuram Road, Opp. Govt. High School, Thoraipakkam, Chennai – 600 085 Phone : 044 – 65713192 Fax : 044 – 2496 3075/3099 E-mail: r_parthiban@sgs.com</p>	<p>Accredited to NABL/ISO-17025, recognised by APEDA</p>
8)	<p>Shriram Institute for Industrial Research Plot 14 & 15 Sadarmangla Industrial Area, White Field Road, Bangalore – 560 048 Phone : 080-28410165, 28412842 Fax : 080-28410189 E-mail: srisrb@vsnl.net.in sribglr@bgl.vsnl.net.in</p>	<p>Accredited to NABL/ISO-17025, recognised by APEDA</p>

PROCEDURE FOR SAMPLING OF GRAPE FARM/PLOT
(TO BE FOLLOWED BY NOMINATED LABORATORIES/NRL)

A. Procedure for sampling table grapes for analysis of pesticide residues

1. Who will draw the sample ?

Individuals authorized by the nominated laboratory by the APEDA (as per Annexure 6) will only draw the samples.

- Individuals authorized for the sampling table grapes should have letter of authorization from the recognized laboratories.
- Individuals authorized for the sampling should have Identity card issued by the laboratory.

2. From which vineyard sample is to be collected ?

The samples will be drawn only from those vineyards which are registered for export with the District Superintending Agriculture / Horticulture Officer of the respective State Govt. Before sampling, following documents pertaining to the registered vineyard will be verified/copies obtained by the authorized representative of the laboratory :

- Registration Certificate issued by the State Government.
- Registration Record of Grape Farm / Plot (Annexure – 2) and drawing/map lay out.
- In case the plot drawing/map lay out provided by the Agri/Hort Officer is not fully clear, the laboratory representative may continue to draw the sample as per guidelines given in Section 5 of the main document. However, while doing so, he shall provide clarity to the drawing and obtain the farmer's endorsement on it and provide a copy to him or his representative at the site.
- Field Pesticide Application Record maintained by the farmer/exporter (Annexure – 2).
- Second and final Inspection Report of the Agri/Hort Officer [Annexure – 4 (B)]. It is recommended that Annexure – 4 (A) should also be seen.
- Sample slip signed by the farmer and exporter (Annexure – 8).

3. Locate the block from where the sample is to be drawn

- Information given in, Registration Certificate, map lay out and Annexure – 2 are to be used to locate the block. It is also expected that the sketch of the block/plot is available with the First Inspection Report [Annexure – 4(A)] of the Agriculture / Horticulture Officer. Thus, the plot may be identified on the basis of name of the block / plot, direction, nearness to the landmarks such as road, well, pump house, shed etc.
- Area of the block / plot from where the sample is to drawn should not exceed 1 ha. In case, the area is above 1 ha, additional samples for every one ha are to be drawn.

- Area / block / section / plot selected for sampling should have the same date of pruning or such that the differences between two pruning dates are not more than 15 days, expected date of harvest and schedule of pesticide applications. In case, the above aspects are not same, separate sample should be drawn from each variation block. Area should be considered as one section, which should not be larger than 1 ha for collecting one sample.
- Separate Annexure – 2, Annexure – 4(A), 4(B) and Annexure – 8 should be obtained for each section / area / block /plot selected for sampling.
- **Area can be determined on the basis of example given below :**

Suppose the row-to-row distance is 6 feet and plant-to-plant distance is 4 feet.

Total area occupied by one vine = 24 sq. ft.

Area of one hectare \cong 10000 sqm, which is equal to 110889 sq. ft

Total No. of vines in one hectare = $110889/24$

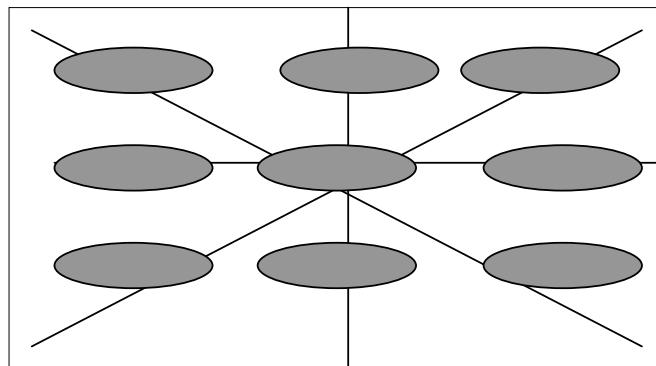
= 4620 vines

So, one hectare contains 4620 vines spaced at 6ft. by 4 ft. distance.

4. Collection of Sample

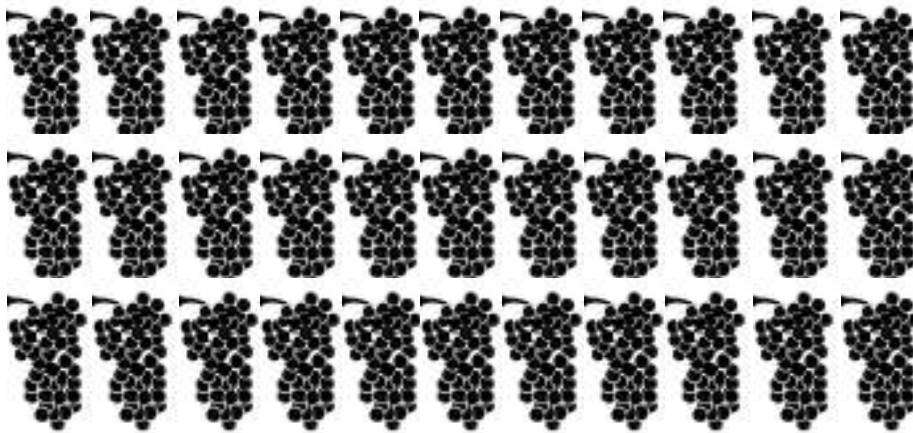
Sample collected should be most representative to the section / block / area /plot selected. To ensure the same

- Smallest unit for sampling should be a full bunch, not the part of bunch.
- Size of the bunch selected for sampling should be closer to the export grade / size available in block. Sampling of the undersized and oversized bunches to be avoided.
- Bunches hidden in the canopy, or showing infestation of insect pest (thrips, mealy bugs) or diseases (powdery mildew) or any disorder (pink berries, cracking, abnormal stains or scorching on berries) is to be avoided for sampling
- Bunches, which are compact, and having undersized (less than 14 mm) berries to be avoided for sampling.
- Sample bunches should be collected from all over the section selected for this purpose.
- The selected **Section / area / block / plot** may be divided into number of **spots** as shown the diagram below and about 2 vines may be selected from each spot for sampling.

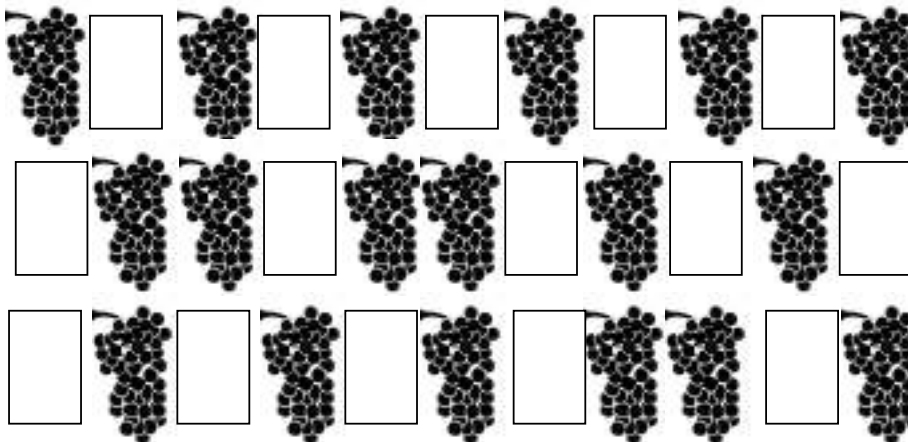


- In case if the section is big, spots could be more than 9 and less in any case.
- Selected spot may have about 20 to 30 vines. From these vines, one or two vines may be selected randomly for sampling. However, selected vines should not be abnormal in terms of less canopy, less number of bunches, infected with insect pests, physically damaged etc.
- From each selected vine one or two bunches depending upon size should be harvested for sampling. Bunch should be cut, above the knot on the peduncle with the help of secature. Total weight of the sample collected at each spot should be about 1.5 kg and will be called as **Primary Sample**.
- All primary samples from one section will be mixed and will be called as **Bulk Sample**. The size of the bulk sample should be at least 12 kg from about 1 hectare area.
- **Laboratory Sample** will be drawn from the bulk sample by randomly selecting the bunches as shown below:

4.1 Bulk Sample (12 kg)



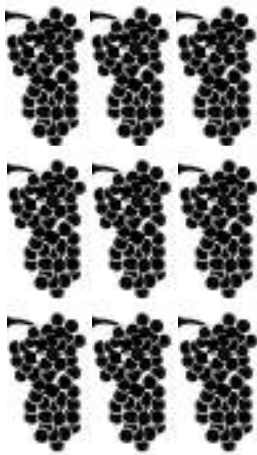
4.2 Randomly select bunches for Laboratory Sample (5 kg) following reduction principle as shown below :



4.3 Out of 5 kg sample for laboratory, pack separately in two boxes, 3 kg sample for analysis and 2 kg for storage.

- The counter sample to be stored should be immediately kept in the cold storage at $0 \pm 1^\circ\text{C}$ with 90-95% relative humidity for a period of 60 days from the date of issue of test report of the sample.
- Data logger should be installed in a cold room for recording temperature and humidity from time to time.
- It is the responsibility of the laboratory to see that the seal of the storage sample is kept intact till such time the sample is required to be in case of dispute.

3 kg to be utilized for analysis



2 kg to be stored in cold storage



5. Packing and transport of sample

Two samples should be packed separately in clean and virgin corrugated cardboard box designed for transport of grapes. The boxes should be sealed with brown packing tape. Sample slip (Annexure – 8) should be kept in polyethylene cover and the polyethylene cover should be inserted in the box. The boxes should be labeled from outside with the following information :

- Grape Sample for Residue Analysis
- Sample slip number
- Date of sampling
- Name of authorized representative of the laboratory

Sealed sample should be delivered to the laboratory within 24 hrs of sampling.

6. List of Material required for sampling

- Secature or harvesting scissor
- Paper bags or polythene bags
- Paper, markers, pencils
- Hand glove
- Corrugated cardboard boxes of 5 kg capacity
- Labels
- Thread
- Cello tape, packing tape
- Seal
- Weighing balance
- Rings for measuring berry diameter.

B. Procedure for Sampling Soil for Monitoring Banned Organochlorines

In case of vineyards, were the fruits containing banned organochlorines where found in the last season soil samples shall be collected by following standard procedure and analysed for these chemicals.

C. Procedure for Sampling Irrigation Water for Monitoring Banned Organochlorines

In case of vineyards, were the fruits containing banned organochlorines where found in the last season water samples shall be collected by following standard procedure and analysed for these chemicals.

Annexure-8 – Physical Document

SAMPLE SLIP FOR GRAPES
(TO BE GIVEN BY FARMERS/EXPORTERS)

FIRST SAMPLE/RE-SAMPLE

Sample Slip No. _____

(see para 6.9; strike out whichever is not applicable)

1)	Name & address of the farmer	
2)	Plot Registration No. & validity	
3)	Address/location of the sampled plot	
4)	Crop and variety	
5)	Total area of the plot(s) covered by this sample slip	
6)	Likely production (in MT) declared by Agri/Hort Officer as per Annexure 4(B) covered by this sample slip	
7)	Crop condition pertaining to pests and diseases	
8)	Weight of total sample drawn (per Ha or less)	
9)	Weight of the laboratory sample (including storage sample)	
10)	Date of drawl of sample in the field	
11)	Whether soil or water has been tested (please attach copy of report)	
12)	Pack-house Regn. No. & its validity (if applicable)	

Copy of Annexure – 2 is enclosed.

Date : Signature of Exporter
Place : (Name of Exporter)

Signature of Farmer
(Name of Farmer)

CERTIFICATE

This is to certify that :

1. I have drawn this sample personally from the above plot by adopting the procedure given in Annexure - 7 of the “Regulation of export of fresh grapes to the European Union through control of pesticide residues”.
2. This sample is taken from the above plot, which is intended to be exported by _____ (name of the farmer/exporter) and an endorsement to this effect has been made on the plot registration certificate.
3. I have also obtained a copy of the Registration Certificate, Annexure-2 and Annexure – 4(B) from the farmer.
4. That, as on date, APEDA recognition of this laboratory is valid.

Date : Signature :
Place : Name of authorized :
 representative of
 Nominated Laboratory
 Official address : :

List of Pesticides to be analyzed

Sr.No.	Chemicals	Value in mg/kg				
		EU	UK	Netherlands	Germany	Codex
	<u>A) Organochlorine</u>					
1	Aldrin(expressed as dieldrin)	0.01	0.01	0.01	0.01	
2	Chlordane (cis & trans)	0.01	0.01	0.01	0.01	
3	Chlorothalonil	1.00	1.00	1.00	1.00	0.50
4	DDT (all isomers)	0.05	0.05	0.05	0.01	
5	Dicofol	2.00	2.00	2.00	2.00	5.00
6	Dieldrin (See Aldrin)					
7	Endosulphan (All isomers)	0.50	0.50	0.50	0.50	1.00
8	Endrin	0.01	0.01	0.01	0.01	
9	HCH (alpha & beta)	0.01	0.01	0.01**	0.01	
10	Heptachlor	0.01	0.01	0.01	0.01	
11	Lindane	0.01	0.01	0.01	0.01	0.50
	<u>B) Organophosphorus</u>					
12	4-bromo-2-chlorophenol	0.01	0.01	0.01	0.01	
13	Acephate	0.02	0.02	0.02	0.02	
14	Chlorfenvinphos	0.05	0.05	0.05	0.05	
15	Chlorpyriphos	0.50	0.50	0.50	0.50	0.50
16	Chlorpyriphos-methyl	0.20	0.20	0.20	0.20	0.20
17	Diazinon	0.02	0.02	0.02	0.02	
18	Dichlorvos	0.01	0.01	0.01	0.01	
19	Dimethoate (Including Omethoate)	0.02	0.02	0.02	0.02	1.00
20	Ethion	0.01	0.01	0.50	0.50	
21	Etrimphos	#	#	0.05	0.02	
22	Fenitrothion	0.01	0.01	0.50	0.50	0.50
23	Fosetyl- Al	#	#	0.20	5.00	
24	Iprobenphos	#	#	#	0.01	
25	Malathion	0.50	0.50	0.50	0.50	5.00
26	Methamidophos	0.01	0.01	0.01	0.01	
27	Monocrotophos	#	#	0.05	0.01	

Sr.No.	Chemicals	EU	UK	Netherlands	Germany	Codex
28	Omethoate (refer to Dimethoate)					
29	Oxydemeton-methyl	0.02	0.02	0.02	0.02	
30	Parathion ethyl	0.05	0.05	0.05	0.05	
31	Parathion-methyl	0.02	0.02	0.02	0.02	0.50
32	Phorate	0.05	0.05	0.05	0.05	
33	Phosalone	1.00	1.00	1.00	1.00	
34	Phosphamidon	0.01	0.01	0.20	0.15	
35	Profenophos	0.05	0.05	0.05	0.05	
36	Quinalphos	0.05	0.05	0.05	0.05	
37	Triazophos	0.01	0.01	0.02	0.02	
	C) Synthetic Pyrethroids					
38	Cyfluthrin	0.30	0.30	0.30	0.30	
39	Cypermethrin	0.50	0.50	0.50	0.50	
40	Deltamethrin	0.20	0.20	0.20	0.20	0.20
41	Ethofenprox (Etofenprox)	#	#	0.01	1.00	
42	Fenvalerate & Esfenvalerate (sum of RR & SS isomers)	0.02	0.02	0.1	0.10	
43	Fenvalerate & Esfenvalerate (sum of RS & SR isomers)	0.02	0.02	0.02	0.10	
44	Lambda-cyhalothrin	0.20	0.20	0.20	0.20	
45	Permethrin	0.05	0.05	0.05	0.05	2.00
	D) Triazines					
46	Atrazine	0.05	0.05	0.10	0.10	
47	<u>Simazine</u>	#	#	0.1	0.10	
	E) Acylamino acid fungicides					
48	Metalaxyl	2.00	2.00	2.00	2.00	1.00
	F) Carbamates					
49	Carbaryl	0.05	0.05	3.00	3.00	5.00
50	Carbofuran	0.02	0.02	0.05	0.02	
51	Carbosulfan	0.05	0.05	0.05	0.05	
52	<u>Indoxacarb</u>	2.00	2.00	2.00	0.30	2.00
53	Methomyl	0.05	0.05	0.05	0.05	5.00
54	Thiodicarb (See Methomyl)					
	G) Pyrimidines					
55	Fenarimol	0.30	0.30	0.30	0.30	0.30

Sr.No.	Chemicals	EU	UK	Netherlands	Germany	Codex
	H) Triazoles					
56	Bitertanol	0.05	0.05	0.05	0.05	
57	Flusilazole	#	#	0.05	0.05	0.50
58	Hexaconazole	0.10	0.10	0.10	0.10	0.10
59	Myclobutanil	1.00	1.00	1.00	1.00	1.00
60	Penconazole	0.20	0.20	0.20	0.20	0.20
61	Propiconazole	0.50	0.50	0.50	0.50	0.50
62	Tebuconazole	#	#	2.00	2.00	2.00
63	Triadimefon	2.00	2.00	2.00	2.00	0.50
64	Triadimenol	2.00	2.00	2.00	2.00	2.00
65	Difenoconazole	#	#	0.05	0.05	
	I) Dicarboximides					
66	Captafol	0.02	0.02	0.02	0.02	
67	Captan	0.02	0.02	3.00	3.00	
68	Iprodione	10.00	10.00	10.00	10.00	10.00
	J) Benzimidazole					
69	Carbendazim (Including Benomyl)	0.30	0.3	0.3	0.30	10.00
70	Thiophanate-methyl	0.10	0.1	0.1	0.10	
	K) Dithiocarbamates					
71	Carbon di sulfide (Mancozeb, Maneb, Propineb, Metiram, Thiram and Ziram collectively estimated as CS ₂)	2.00	2.00	3.00	2.00 (Thiram 4.00)	5.00
72	Ethylene thiourea	#	#	0.02	0.05	
	L) Nicotinoids					
73	Acetamiprid	0.01	0.01	#	0.01	
74	Clothianidin	#	#	#	0.50	
75	Imidacloprid	#	#	1.00	1.00	1.00
76	Thiacloprid	0.02	0.02	0.02	0.01	
77	Thiamethoxam	#	#	0.05	0.50	
	M) Dinitrophenol					
78	Dinocap	#	#	0.05	0.50	0.50
	N) Aliphatic Nitrogen fungicides					
79	Cymoxanil	0.10	0.10	0.05	0.20	
	O) Morpholine					

Sr.No.	Chemicals	EU	UK	Netherlands	Germany	Codex
80	Dimethomorph	#	#	0.05	3.00	
	P) Natural Product Derivative					
81	Buprofezin	#	#	0.05	0.02	
82	Cartap hydrochloride	#	#	1.00	0.01	
83	Emamectin Benzoate	#	#	#	0.01	
84	Spinosad (Sum of Spinosyn A+D)	0.50	0.50	0.20	0.20	0.50
85	Abamectin	0.01	0.01	0.01	0.01	
	Q) Substituted Thiourea					
86	Difenthiuron	#	#	#	0.01	
	R) Others					
87	Azoxystrobin	2.00	2.00	2.00	2.00	
88	Fipronil	#	#	0.01	0.01	
89	Flufenoxuron	#	#	0.05	0.10	
90	Oxyfluorfen	#	#	#	0.01	
91	Propargite	#	#	10.00	3.00	7.00
92	Fenpyroximate	#	#	#	0.50	

**** In the Netherlands, α HCH & β HCH has separate MRL of 0.01 mg/kg.**

No MRL exists and therefore the chemicals should not be detected in the sample. If detected above 0.01mg/kg then the sample will be treated as failed.

German MRL update: -14th December 2007

Netherlands MRL update: - December 2007

UK MRL update: - 31st October 2007

CODEX MRL Update:- 03rd August 2007

Annexure-10 – Electronic Document

CERTIFICATE OF RESIDUE ANALYSIS
(TO BE ISSUED BY THE NOMINATED LABORATORY)

FIRST SAMPLE/RE-SAMPLE (see para 6.9)

- 1) Name and address of the farmer
- 2) Name and address of the exporter
- 3) Plot Registration No. & its validity
- 4) Location of the plot
- 5) Area of the plot(s) covered by this report
- 6) Total likely production of the plot(s) [in MT] covered by this report [calculated on the basis of Annexure-2 (for area purposes) and Annexure-4(B)]
- 7) Name of crop and variety
- 8) Sample details
 - (a) Place and date of sample drawn
 - (b) Quantity of sample (in Kg)
 - (c) Packing
 - (d) Sample code No.
- 9) Name of the representative of Laboratory which has drawn the sample
- 10) Date of drawl of sample
- 11) Date of receipt of sample in laboratory
- 12) Date of completion of analysis
- 13) Packhouse Registration Number & its validity (if applicable)

S. No	Names of pesticides	Residue content (mg/kg)	Limit of Determination (LOD) (mg/kg)	Method of analysis	MRLs (mg/kg)			
					EU	UK	NL	Ger.
1.	2.	3.	4.	5.	6.	7.	8.	9.

CERTIFICATE

- 1) This is to certify that the sample was drawn by our authorized representative from farm having Registration No. _____ and has been analysed by us. The sample was tested for the residue of the pesticides mentioned above and the residue content in the sample is as given in Column 3 of the table given above.
- 2) The Apeda recognition of this laboratory is valid as on date.

Result : 1. Sample conforms/fails (strike out whichever is not applicable).
2. Sample conforms to MRL requirements of EU/UK/NL/Germany

Date:
Place

Signature of authorized signatory of
Nominated Laboratory alongwith seal

**PROCEDURE FOR GRANT OF CERTIFICATE OF AUTHORISATION AND
CERTIFICATE OF AGMARK GRADING (CAG) FOR EXPORT OF
FRUITS AND VEGETABLES**

Persons desirous of undertaking Agmark Certification for fruits and vegetables under the Provisions of Agricultural Produce (Grading & Marking) Act, 1937 and various Rules issued under it, should have valid Certificate of Authorization (C.A.) for grading of fruits and vegetables. Provisions contained in Fruits and Vegetables Grading and Marking Rules, 2004 shall be applicable.

Procedure for grant of C.A.

- (1) Persons desirous of obtaining C.A. for grading fruits and vegetables under Agmark for exports shall apply to the concerned office of Directorate of Marketing & Inspection (DMI) in the prescribed **Proforma - I**.
- (2) Necessary documents as prescribed in **Annex-A** shall be enclosed with the application.
- (3) Demand draft for Rs. 1000/- as C.A. processing fee shall be enclosed with the application.
- (4) Applicant for grant of C.A. can have his own premises (owned by him or rented). He can also use common facilities of APMC pack houses, Private/Coop pack houses etc. Minimum requirements in the premises are given in **Annex-B**. Details of such arrangements shall be given with the application. Details of such arrangements may not be given by APEDA approved pack houses.
- (5) Concerned office of the DMI will process the documents, inspect the proposed premises and grant C.A. within ten days of the receipt of complete documents. Inspection of the premises is not required in case of APEDA approved pack houses. In such cases, CA shall be issued within three days of the receipt of the complete documents.
- (6) Grade designation mark (Agmark insignia) shall be securely affixed to or printed on each container. Since each and every container is accounted for in exports, it is not necessary to have running replica serial No. on each container. It is also not necessary that Agmark insignia shall be printed in printing presses permitted by the Directorate. However, authorised packer shall ensure that printer engaged by him for printing of the Agmark replica on the containers/packages has requisite facilities and infrastructure as prescribed by the Agricultural Marketing Adviser and he shall inform the name and address of the printing press to Agricultural Marketing Adviser in advance.

Procedure for obtaining Certificate of Agmark Grading (CAG) for export of grapes to EU countries.

1. C.A. holder shall apply giving details of the consignment to any one of approved laboratories (Annexure-6) under intimation to the concerned office of DMI for grant of CAG for the lot of grapes. Such a system is provided in the software developed by APEDA. The concerned office of DMI will have access to the information relating to the consignment for the purpose of check sampling. The list of the offices of DMI is at **Appendix (i)**.
2. The C.A. holder/exporter shall remit to the approved laboratory Agmark inspection and certification charges @ 0.2% of FOB value subject to a minimum of Rs. 400/- per consignment. For the grape season 2008, the FOB value has been retained as Rs. 51.85 per kg.
3. The approved laboratory carrying out the Agmark inspection and grading remit to the concerned office of DMI grading charges @ 0.1% of FOB value subject to a minimum of Rs. 200/- per consignment. The laboratory will send the grading charges to the concerned office of DMI every fortnight. Failure to do so will block the software for the concerned laboratory after a warning.
4. The C.A. holder will offer the lot for inspection at the approved premises. The consignment shall be offered packed in appropriate packing boxes. The inspection may also be carried out on the grading and sorting line of the approved premises.
5. C.A. holder can offer the lot for inspection and grading at the Airport/Seaport. The size of such lot shall not be more than 5 MT net weight.
6. Approved Chemist of the approved laboratory shall draw sample as per the sampling plan (**Annex-C**). He/she will sign on the containers selected for sampling.
7. The approved chemist will grade the sample according to prescribed standards and assign appropriate grade. He/she will fill up the Inspection Report in the software.
8. The Inspecting Officer will stack-seal the consignment after inspection in the cold store. The temperature of the grape berries in the cold store should be in the range of 0 – 1°C and Relative Humidity in the cold store should be in the range of 90-95%.
9. The Inspecting Officers of DMI can make surprise checks of the grading done by the approved laboratories. They will fill up the Inspection Reports of such surprise checks. The decision of the Inspecting Officers of DMI shall be final. In case of any dispute, the C.A. holder can refer the matter to the Dispute Settlement Committee.

10. Authorised persons of the approved laboratory will issue the CAG in the prescribed proforma. The CAG will be sent electronically to the C.A. holder, concerned office of DMI and the PSC issuing Authority.

11. The CAG shall be valid for 15 days from the date of issue. Revalidation of the CAG can be done on the request of the C.A. holder in case shipment is delayed beyond 15 days for valid reasons. It will be done after reexamination by the concerned laboratory to ascertain that the consignment is in sound merchantable condition and that there has been no deterioration in the quality.

Application for Grant of Certificate of Authorisation for Grading and Marking of _____ (Name of Commodity) for Export Grading

To,

The Dy. Agri. Marketing Adviser/
Asstt. Agri. Marketing Adviser/
Senior Marketing Officer
Directorate of Marketing & Inspection
_____ (name of city)

Sir/Madam,

I/We _____ of M/s _____ (full postal address) being desirous of marking _____ [Name(s) of commodity] with a grade designation mark in accordance with the rules made under the provisions of Agricultural Produce (Grading & Marking) Act 1937, hereby, request for grant of Certificate of Authorisation.

I/We have carefully gone through the provisions of AP (G&M) Act, 1937, the General Grading & Marking Rules 1988, relevant commodity Grading & Marking Rules and the instructions issued by the Agricultural Marketing Adviser to the Govt. of India or an Officer authorised by him in this regard for grading & marking of the said commodity and agree to abide by them.

The requisite particulars are furnished herewith in the prescribed proforma and the requisite documents are enclosed.

Yours faithfully,

Place:
Date:

(Signature of the applicant)
Designation:
for M/s _____

ACKNOWLEDGEMENT SLIP

Received the application dated _____ of M/s _____ alongwith the enclosures and D.D. No. _____ dated _____ for Rs. _____ for grant of Certificate of Authorisation for Grading & Marking of _____ under Agmark for export grading.

(Office Seal with Signature)

**Particulars to be furnished with the application for
Certificate of Authorisation**

1. Name and full postal address of the party.
2. Name(s) of the commodity proposed to be graded.
3. Status of the firm, i.e., Proprietary/Partnership/
Pvt. Ltd./Public Ltd./Regd. Society/Public
Undertaking etc. (copy of the relevant
document be enclosed).
4. Period for which the applicant has been
in the business.
5. Name(s) and address of two representatives
of the firm who will attend the grading work
and correspond in the matter (specimen
signatures to be furnished separately).
6. *(a) RBI Code No., if any
*(b) Import Export Code No. (issued by DGFT)
(c) Membership of the Commodity Boards
(APEDA, etc.), if any
7. VAT/ST/CST No., if allotted.
8. Full address of the premises where grading
and marking will be carried out.
9. Status of the said premises owner/lessee
(strike out whichever is not applicable).
- *10. Details of the machinery/packing
machines/cold storage etc. available in
the plant/premises with their capacity.

Name of the Machinery	Nos.	Capacity
-----------------------	------	----------
11. Any other information relevant to
grading of the commodity.
12. Trade name, if any.

(Signature of the applicant/
authorized person)
Designation
for M/s

Place :
Date :

* Not required in case of APEDA recognized pack houses.

Annex - A

List of the documents to be furnished along with the application for grant of C.A. for export grading

1. Application for grant of CA in the prescribed **Proforma-I**.
2. Signatures of authorized persons of the firm on the letter pad.
- *3. Copy of the proprietorship declaration/partnership deed/ memorandum and articles of association/bye-laws of society etc.
- *4. Blue print or neatly drawn sketch of the premises showing all dimensions duly signed by the authorized person of the firm.
5. Medical fitness certificates issued by the Registered Medical Practitioner certifying that the workers engaged in the handling of the product in various operations, are free from any communicable and contagious diseases.
- *6. Copy of import export code No. issued by DGFT.
7. Copy of APEDA registration, if registered.

Note : (i) Photocopies of all documents should be signed and stamped by authorized person of the firm.

(ii) Three sets of the documents are to be submitted to the concerned office of the Directorate.

*Not applicable in case of APEDA recognized pack houses.

Annex - B

Minimum requirements in the premises for grading of fruits & vegetables

1. Premises should be clean and in hygienic condition.
2. Surroundings of the premises should be clean.
3. It should not be situated near tanneries, chemical plants, fertilizer plants etc.
4. Walls of the premises should be properly plastered and free from crevices, holes, dampness etc. Thatched roof is not advisable.
5. Premises should be pest, insect and rodent proof.
6. Premises should be free from cobwebs and spiders.
7. Premises should have proper drainage system.
8. Premises should have facilities for testing of TSS, Sugar-Acid ratio, etc. The typical needs of chemicals, apparatus, etc., are given in **Appendix – (ii)**.
9. Premises should have arrangements for disposal of rejected, rotten, waste of horticulture produce.

Annex - C

Sampling Plan

No. of cartons in the lot -----	Minimum No. of cartons to be sampled. -----
Up to 50	2
51 to 100	3
101 to 200	6
201 to 500	12
501 to 1000	25
1001 and above	1 % of the cartons

Appendix – (i)

List of offices of the Directorate of Marketing & Inspection

MAHARASHTRA

1. MUMBAI : Shri C.M. Tabhane,
Asstt. A.M.A.
Directorate of Marketing &
Inspection, New CGO, Building
IIIrd Floor, New Marine Lines
Mumbai- 400020.
Telephone No. - 22036801(Direct), 22032699
Fax No. - 22091103
E-mail - dmiromah@nic.in

2. NASIK : Shri V. N. Pawar,
Sr. Marketing Officer
Directorate of Marketing &
Inspection, New Kamal Niwas,
Behind Hotel Vasco Tourist
Nasik Road - 422101
Telephone No. - 2465437
Fax No. - No fax
E-mail - dmimh05@nic.in

3. SANGLI : Shri Shiv Kumar,
Marketing Officer
Directorate of Marketing &
Inspection, APMC Seva Grah
Market Yard,
Sangli
Telephone No. - 2670629
Fax No. - No fax
E-mail - dmimh04@nic.in

4. PUNE : Smt. Surinder Kaur,
Marketing Officer
Directorate of Marketing &
Inspection, Graders Training
Centre, Beej Bhavan, MarketYard,
Pune-411007.
Telephone No. - 24268598
Fax No. - No fax
E-mail - dmimh07@nic.in

ANDHRA PRADESH

1. HYDERABAD : Shri E. Mohan Naidu,
Asstt. AMA
Directorate of Marketing &
Inspection, Kendriya Sadan
Block-1, Sultan Bazar,
Hyderabad
Telephone No. - 040- 24657446
Fax No. - 040-24731636
E-mail : - dmihyd@ap.nic.in

KARNATAKA

1. BANGALORE : Dr.(Mrs) Sajni Kumar,
Asstt. AMA
Directorate of Marketing &
Inspection, APMC Market yard
MG Complex, Yashwant Pur,
Bangalore-560022
Telephone No. - 080-23472924
Fax No. - 080-23473004
E-mail - bngdmi@kar.nic.in
- dmimh05@nic.in

Appendix – (ii)

Chemicals, apparatus etc. required for evaluating Total Soluble Solids and sugar/acid ratio in grapes

1. To obtain juice from grapes	(i) Muslin cloth. (ii) Convenient receptacle (iii) Suitable juice press.
2. Determination of the Total Soluble Solids	(i) A calibrated refractometer or A Brix hydrometer of suitable range, calibrated in tenths of a percentage and standardized at 20 ^o C. (ii) Thermometer of 0 ^o to 50 ^o C.
3. Determination of acid content	(i) 20 ml pipette (ii) 50 ml burette (iii) 250 ml conical flask (iv) 250 ml beaker (v) Suitable bottles with labels to store sodium hydroxide, sulphuric acid, phenolphthalein, sodium carbonate, distilled water, etc. (vi) Sodium hydroxide, A.R. (250 gms) for making 0.1333 N solution. (vii) Sulfuric acid - sp. gr. 1.84 - A.R. 98% pure (500 ml) for making 0.1333 N solution. (viii) Phenolphthalein in ethyl alcohol, 0.4% (minimum size pack). (ix) Sodium carbonate 0.1 N (1 litre standard solution). (x) Distilled water.

Annexure-12 – Physical Document

SPECIMEN FORMAT OF DECLARATION

(TO BE GIVEN BY THE EXPORTER ON THEIR LETTER HEAD TO
THE PSC ISSUING AUTHORITY / LABORATORY)

- 1) I, _____, resident of _____, have/operate from packhouse having APEDA Packhouse Recognition No. _____ dated _____ valid up to _____ and which is located at the following address :

- 2) I/We, hereby, certify that _____ MTs of grapes have been procured for export from plot(s) bearing plot registration numbers as given below after drawl of samples as per the procedure prescribed in Annexure - 7 of the “Regulation of Export of Fresh Grapes to the European Union through Control of Pesticide Residues” issued by Apeda.
 - a) _____ renewed on _____
 - b) _____ renewed on _____
 - c) _____ renewed on _____ etc.

- 3) The laboratory analysis reports bearing No. _____ dated _____ pertains to the grape quantities referred to in para (2) above.

- 4) I/We propose to effect export of the grapes referred to above to _____ (destination) and these have been processed and packed under my supervision in the packhouse referred to in para (1) above.

- 5) I/We certify that the grapes referred to above are contained in _____ number of boxes/cartons and that the lab. analysis report establishes that the grapes do not contain pesticide residues exceeding the MRLs with respect to the destination, referred to in para (4) above, stated in Annexure - 9 of the “Regulation of Export of Fresh Grapes to the European Union through Control of Pesticide Residues”.

- 6) I/We certify that I/we have verified the registration records (as given in the format of Annexure – 2) as well as Annexure – 4(B) of the plot(s) from where grapes have been harvested for this consignment and that the plot(s) fulfil(s) the procedure laid down in the “Regulation of Export of Fresh Grapes to the European Union through Control of Pesticide Residues”.

- 7) I/We certify that the consignment covered by this declaration does not contain grapes from unregistered plot(s) or from plot(s) whose registration has been cancelled/suspended or from plot(s) that have not cleared the residue tests prescribed by the procedure contained in the "Regulation of Export of Fresh Grapes to the European Union through Control of Pesticide Residues".
- 8) I/We certify that, as on this date, the NRL has not issued any Internal Alert Information in respect of the samples drawn by them from the pack house (referred to in para - 1 above) and from the farms/plot(s) (referred to in para - 2 above).

OR

It is certified that the NRL had issued an alert for Plot Registration No. _____ vide Internal Alert Information No. _____ and, subsequently, the same has been revoked vide their Notification No. _____ after re-sampling.

(strike out whichever is not applicable)

- 9) I/We certify that the Agmark inspection of the above consignment has been carried out by _____ (name of laboratory) and that the CAG No. _____ pertains to the above consignment.
- 10) I/We certify that the above information/declaration is true and correct.

Date :

Place:

Signature of Authorized Signatory
of Exporter/Farmer

Name and address

EXTRACT FROM APEDA ACT

REGISTERED No. D-(D)-72

The Gazette of India
EXTRAORDINARY
PART II - Section 1
MINISTRY OF LAW AND JUSTICE
(Legislative Department)
New Delhi, the 9th January, 1986/Pausa 19, 1907 (Saka)

The following Act of Parliament received the assent of the President on the 8th January, 1986, and is hereby published for general information :

THE AGRICULTURAL AND PROCESSED FOOD PRODUCTS EXPORT DEVELOPMENT AUTHORITY ACT, 1985

No. 2 of 1986

[8th January, 1986]

An Act to provide for the establishment of an Authority for the development and promotion of exports of certain agriculture and processed food products and for matters connected therewith.

CHAPTER - V

Power to prohibit or control imports and exports of Scheduled products

CONTROL BY THE CENTRAL GOVERNMENT

19 (1) The Central Government may, by order published in the Official Gazette, make provision for prohibiting, restricting or otherwise controlling the import or export of the Scheduled products, either generally or in specified classes of cases.

(2) All Scheduled products to which any order under sub-section (1) applies, shall be deemed to be goods of which the export has been prohibited under section 11 of the Customs Act, 1962, and all the provisions of that Act shall have effect accordingly.

(3) If any person contravenes any order made under sub-section (1), he shall, without prejudice to any confiscation or penalty to which he may be liable under the provisions of the Customs Act, 1962, as applied by sub-section (2), be punishable with imprisonment for a term which may extend to one year, or with fine, or with both.

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