

October 25, 2006

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

Dear Sirs,

You may kindly recall that during the meeting held in Pune on 28th August, 2006, it was agreed that registration of grape plots would be valid for three years. However, renewal would be necessary for the subsequent process of sampling, residue analysis and Agmark certification. On 21st September, 2006, we had sent a communication to all concerned to initiate steps for renewal of the grapes farm at the plot level. The registration/ renewal process has further simplified by removing the token system, and a circular in this regard has been issued on 26th October, 2006. We hope the farmers have taken necessary steps to renew their grape plots.

The circulation of the new residue monitoring document has taken sometime on account of the impending decision concerning the Agmark inspection. Directorate of Marketing and Inspection (Agmark) has now agreed to the inspection being carried out by the recognized laboratories. Accordingly, the residue monitoring document has been revised and is enclosed. All exporters, farmers and laboratories are also requested to particularly review Annexure 7, 11 & 14. There are certain other changes as well, and a summary of the major modifications is given in the following pages :

1. The agri./hort. officials must follow all instructions contained under paras 3.1 to 3.16. It is mandatory to prepare a drawing/sketch of the lay out of the plot giving details of the adjoining farms/plots and also show details of late registration plots (please see paras 3.4, 3.10, 3.11 & 4.2). These paras contain detailed guidelines required to be followed to prepare the drawing/lay out of the plots and at the time of registration or renewal. The registration will be on the basis of inspection (para 3.4) and not on the basis of other records. The area of a plot will not exceed 1.2 Ha (para 3.6) and will be determined on the basis of number of rows and vines (Annex-9). Staggered plot registration is allowed depending upon the date of pruning (para 3.3). The computer software has been designed in such a manner that if layout/sketch is not available with the registration/renewal certificate of the plot, the

sampling and residue analysis process will get delayed and if repeated mistakes occur, the software may get blocked. If the software gets blocked at a particular terminal, the location can be identified and the concerned officials would be responsible for the delays. **This may please be noted carefully.** Therefore, it is in the interest of the farmers, exporters, laboratories & State Govt. officials to ensure that this procedure is strictly followed.

2. It shall be the responsibility of the agri./hort. officer of the State Govt. to ensure that proper procedures are followed with regard to farms/plots that have been suspended or debarred from taking out exports (Para 3.2).

3. In the revised document, the system of token number has been removed. The Registration No. will be the “key number” to be used for tracking purposes.

4. Farm/plot inspection has now been further reduced from three to two times. Accordingly, agri/hort. officials need to ensure that they carry out inspection at least twice before harvesting and fill up forms 6(A) & 6(B). Annexure 6(B) has been modified. The agri/hort. officers may please note this.

5. It should also be ensured that the ‘Field Pesticide Application Record’ (Annexure – 4) is completed in all respects by the farmers and is also signed by the concerned agri/hort. official. There is a slight modification in this Annexure. Please note that the web-based software introduced by APEDA will not move forward unless the Annexure – 4 is completed after drawl of samples. This would mean that laboratory analysis report cannot be issued if Annexure – 4 is not completed properly, as all the fields in the software are mandatory.

6. Each farmer shall give a declaration to the exporters in Annexure - 5 regarding sprays etc. after drawl of samples (para 3.16). Please note that Annexure – 5 has been partially modified.

7. At the time of drawl of samples, the farmers must provide a copy of registration certificate and Annexure – 4 & 6(b) to the representative of laboratories (para 5.6). Please note that unless these documents, duly filled, are provided to the laboratories, the software will not move forward and the laboratory analysis cannot take place. The requirement of Annexure – 3 has been deleted.

8. The laboratory shall not draw samples (para 5.7) if :

- the grape plot is under suspension or has been cancelled for export to the EU[para 5.7(a)]. There are corresponding modifications in para 7.4, particularly, 7.4 (ii)
- plot registration is not as per procedure or is incomplete [Para 5.7 (c)]
- there is inconsistency (data/signature) in relevant annexures [Para 5.7 (d) & (g), para 6, 7 and Annex-10]
- there is no clear recommendation [Para 5.7(e)]
- signatures on relevant annexures do not match [Para 5.7(f)]
- area/production calculations have not been carried out as per procedure given in Annex-9 [Para 5.7(h)]

9. Exporters/shippers may please note their responsibility under para 7.3.
10. PSC authorities will be responsible for complete consistency in the documents (para 7.4).
11. Internal alerts should be revoked by NRL immediately on clearance of re-tested samples (8.13).
12. There is a slight modification in Annexure – 2, which is the application for registration/renewal of grape plot. Additional information concerning the farmers/partners and a declaration has been added to meet the requirements of the new RMP document.
13. Similarly, there are corresponding modifications in Annexure – 3 & 4. There is also a slight modification in Annexure – 5 concerning suspended or cancelled grape plots.
14. Annexure – 7 (Recommended Pesticides) has been modified to include updated information on MRL values. The MRL values for Germany have been added.
15. Annexure – 8 (List of Laboratories) has been modified, whereby, NHRDF has been included and the Agmark, Mumbai laboratory has been deleted.
16. Annexure – 10 (Sample Slip) has been partially modified to include validity of the plot registration. Even though the farmer will declare the production quantity on sample slip, the labs will have the responsibility to calculate the quantity on the basis of Annex-3 & Annex-6(B) and mention it on the test report.
17. Annexure – 11 (List of pesticides to be analyzed) has been modified to include updated information on MRL values. The MRL values for Germany have been added.
18. On similar lines Annexure – 12 (Certificate of Residue Analysis) has been modified to include validity of the plot registration and residue testing for consignments destined to Germany.
19. Annexure – 13 and 16 have also been partially modified to reflect the dates of renewal of grape plots.
20. Annexure – 14 has been modified to incorporate Agmark inspection to be carried out by the designated laboratories. However, the Agmark certificate would still need to be issued by the concerned Agmark office. The computer software has been designed in such a manner that the laboratories would inform the concerned Agmark office to issue the Agmark certificate on the basis of their recommendations in respect of the concerned consignment. For this purpose, the exporters would need to submit a request to the laboratory giving information about the name of the Agmark office from where certificate is required to be issued.
21. All recognized laboratories are required to submit a request to the concerned office of DMI for approval of their laboratory for the purposes of Agmark inspection. In due course, DMI would be organizing the required training programmes to enable laboratories carry out the Agmark inspection.

22. Annexure – 15 (Declaration by exporter) has been substantially modified to include renewal of the grape plots, cancellation/suspension of the plots and with regard to Agmark inspection. Further, through this declaration, the onus of proving veracity of consistency in the documents and compliance with the procedure lies with the exporter/shipper and he is himself responsible if the consignment contains grapes from un-registered or un-cleared plots (please also see para 7.3).

23. The laboratory analysis charges have been reduced from Rs. 7,000 per sample to Rs.6,000 per sample. This been done on the basis of discussions with all the laboratories at a meeting held at NRL, Pune on 29th June, 2006. APEDA's financial assistance would, therefore, be restricted to Rs.3,000 for the first sample of a grape plot.

The following decisions taken during the 2004 grape season would continue :

a) In respect of export of fresh grapes to non-EU countries, phyto sanitary certificates can be issued by all PSC authorities designated by Ministry of Agriculture, Govt. of India as well as the State Govts. However, in such cases, it would be necessary for the PSC issuing authorities to make an endorsement on the certificate **and** certificate of origin that the consignment for which the PSC has been issued will not be re-exported to the European Union. To enable the PSC issuing authorities to make the necessary endorsement on the PSC and certificate of origin, the exporters should submit a declaration as may be required by the PSC issuing authorities.

b) In case, an exporter or farmer wishes to send grape samples to a laboratory abroad for the purposes of additional testing, the PSC issuing authorities listed in Annexure – 16 may issue the phyto sanitary certificate without the need for production of the documents listed in para 7.1 of the regulation, provided the quantity of the grape sample does not exceed 10 kg per plot per farm registration, and, further provided that the exporter/farmer submits a declaration stating the following :

- i. The sample(s) is/are for the purposes of pesticide residue analysis,
- ii. The sample(s) is/are 'not for human consumption', and
- iii. The sample(s) is/are of no commercial value.

This relaxation for residue analysis abroad is made without prejudice to the procedure, stated in the said document, required to be followed for commercial consignments of grapes to the EU countries.

With a view to explaining the document further, it is proposed to organize awareness meetings with all concerned in the three states. It is also proposed to have separate meetings with concerned officials of the Govts. of Andhra Pradesh, Karnataka and Maharashtra to discuss the role of the agriculture/horticulture officers and the phyto-sanitary certificate issuing authorities.

In any case, you may please feel free to contact us for any clarification.

Yours faithfully,

**S. Dave**  
**Director**

**TRADE NOTICE NO: QMC/GEN/049/2006**  
**DATED: 25 October 2006**

**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, Directorate of Plant Protection, Quarantine and Storage, Department of Agriculture and Co-operation, Ministry of Agriculture, vide Circular No. 91-4/95 PQD dated 29<sup>th</sup> February, 2000 (copy enclosed at **Annexure-1**), advised all Phyto Sanitary Certificate (PSC) issuing officers to check/verify pesticide residue certificates for grapes exported to the European Union before issuance of 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

		1.7	<p>India to the European Union (Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Germany, Greece, Finland, France, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, The Netherlands, U.K.) do not test for pesticide residues in excess of the prescribed levels.</p> <p>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.</p>
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	It is also intended to introduce possibility of product recall in this document.
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 <b>Annexure-2</b> .
		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. 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

		<p>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 will be directly responsible for any incorrect/incomplete information entered in the records and in the registration certificate issued to the farmer.</u> The particulars of farm and plot(s) will be recorded in the format of “Registration Record of Grape Farms” given in <b>Annexure-3</b> and retained in the Registration Office. A copy will also be provided to the farmer.</p> <p>3.3 The Annexure-3 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 3.4, 3.10 and 4.2). The drawing/sketch <u>must</u> also be signed by the Agri/Hort Officer under his official seal.</p> <p>3.4 The following guidelines may be followed by the Agri/Hort Officers to prepare the drawing/layout of the plot(s) presented for registration/renewal :</p> <ul style="list-style-type: none"> <li>(a) indicate the directions (North, East, etc. of the plot,</li> <li>(b) indicate benchmarks, such as, roads, civil structures (hut, house, railway crossing, electrical sub-station, etc), canals, foot-paths, rea of the plot where there are other plots (un-registered or growing other crops),</li> <li>(c) clearly indicate adjoining farms of other farmers</li> </ul> <p>3.5 A registration number will be given to each farm upto the plot level, which will be under the charge of an</p>
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Agriculture/Horticulture Officer whose head quarter is near the farm. The farm/plot would be allotted a registration number by adopting **only** the following code format :

State	District	Taluka/ Mandal	Farm No.	Plot No.
AA	11	22	3333	00

3.6 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.

3.7 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.

3.8 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.

3.9 Amendments, if any, in the Registration Certificates, will be made only by the authorised Govt. officials after due verifications and under their signatures.

3.10 The registration will be valid for three years. However, all the registered grape farmers shall renew their farm registration every year and a fresh certificate showing renewal of the plot will be issued. A farmer should apply for renewal by the end of November 2006 to

		<p>the Registration Authority as per format given in Annexure-2. <b>No application for registration of grape farms/plot(s) will be accepted after 31.11.2006.</b> However, if a farmer expects a good crop and intends to export his produce, he should register the plot <b>before veraison stage</b> (please see para 4.2). 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-4. In such cases, registration will be done after pesticide residue analysis of grapes (at farmer's cost) from such plot areas.</p> <p>3.11 Registration Certificate, after complying with the procedure set out in paras 3.2 to 3.10, shall be issued to the applicant duly signed by an authorised State Government official 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 for production of grapes.</p> <p>3.12 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"> <li>(a) To follow only the recommended farming practices.</li> <li>(b) That farmer shall not use pesticides other than those allowed for use on grapes and listed in Annexure – 7.</li> <li>(c) Misbranded, un-recommended or banned pesticides or any other harmful chemicals shall not be used.</li> <li>(d) After drawl of samples for residue testing, spraying/application of any pesticides shall not be carried out.</li> <li>(e) Not to allow sampling or exports of grapes from unregistered farms.</li> <li>(f) Amendments, if any, on the registration records or the Registration Certificates will be made</li> </ul>
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			only by the Registration Certificate issuing authority.
		3.13	Each farmer will maintain pesticide application record as per format titled, "Field Pesticide Application Record" given in <b>Annexure-4</b> . 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-4 is not completed by the farmers and a copy provided to the laboratory.
		3.14	It shall be the responsibility of Agriculture/Horticulture officers to ensure that information required in Annexure-3 & Annexure-4 is <u>uniformly and completely</u> maintained.
		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.
		3.16	Each farmer, at the time of harvest, shall give a declaration to the exporter in <b>Annexure-5</b> 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 will be handed over to the exporter at the time of harvesting of the produce.
4.	Procedures for District Superintendent	4.1	Each Agriculture/Horticulture Officer will visit the farm/plot(s) at least two times to inspect the farm/plot prior to

	Agriculture/ Horticulture Officers	<p>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 <b>Annexure - 6 (A) &amp; 6 (B)</b> and give a copy to farmer after obtaining his signature on it. A copy of Annexure-6 (B) duly completed and signed by all concerned will be given to representative of the lab. at the time of sampling.</p> <p>4.2 In case of late registration of the plot(s) <u>before verasion</u> (please see para 3.10), 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-6 (A) and the Annexure-3 (and its enclosures) and 4 [please see paras 3.3 and 3.4].</p> <p>4.3 The Agri./Hort. Officer shall also verify the registration record of the entire farm and also physically check if the same is correct <b>and</b> complete in all respects.</p> <p>4.4 The farmer and the Agri./Hort. Officer must sign and write their complete official address on each form (Annexure 6-A to 6-B). <u>This is mandatory.</u></p> <p>4.5 The Govts. of Maharashtra, Karnataka and A P shall maintain plot registration data in the specified format (please see para 3.5) in the web-based data-base on the Apeda website (<a href="http://www.apeda.com">www.apeda.com</a>) and prints of the registration certificates shall be taken through the web-based software placed on the website.</p> <p>4.6 The Agri/Hort Officer <b>shall not</b> recommend drawl of samples by the laboratories in Column 15 of Form 6(B) if the farmer has not followed the</p>
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		<p>officer's advice/recommendation given in Form 6(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.</p>
4.7		<p>In case, the farmer/operator is not satisfied with the observations of the Agriculture/Horticulture Officer in Columns 15 and 16 in Form – 6(B), he may, if he so desires, prefer an appeal to the higher authorities in the concerned department of the State Govt.</p>
4.8		<p>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, particularly with regard the to defects commonly found in grapes</p>
4.9		<p>At the end of the grape season, the Agriculture/Horticulture Officers will have the responsibility to examine the consolidated test reports submitted by the NRL to the State Government and also the yellow copies sent by the laboratories to them. They will also suggest corrective action to the farmers (please see para 8.7).</p>
4.10		<p>Agriculture/Horticulture Officers will organize meetings with farmers and exporters regularly to provide guidance on the quality production of grapes.</p>
4.11		<p>Agriculture/Horticulture Officers shall carry out awareness programmes to allow use of only registered/recommended pesticides for grapes as given in <b>Annexure-7</b>.</p>
4.12		<p>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>
4.13		<p>Agriculture/Horticulture Officers will ensure that only those chemicals/pesticides are allowed to be used by the</p>

		4.14	<p>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>In the event of alert information issued by the NRL in respect of a grape farm (please see para 8.12), 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 8.13).</p>
5.	Procedure for sampling from grape farms/plots	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.
		5.2	Samples of grapes, soil and water for laboratory testing of each grape farm/plot intended for exports shall be drawn for testing by the nominated laboratories and National Referral Laboratory (NRL) listed in <b>Annexure-8</b> 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 Registration Certificate, Annexure 4 & 6(B). The lab. shall maintain a proper record.
		5.4	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 (see para 10.1). <b>The Plot Registration Number will remain the key number for all purposes.</b>
		5.5	The samples of grapes, soil and water shall be drawn in the presence of farmer and exporter as per the procedure given in <b>Annexure-9</b> .
		5.6	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

		<p>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 <b>within 24 hours</b> along with the sample slip as per format given in <b>Annexure-10</b>. The sample slip should 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 each of the Registration Certificate, Annexures – 4 and 6(B) have 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. It is also recommended that the laboratories check both the forms under Annexure-6, i.e., Annexure- 6(A) and 6(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- 6(A) and (B). After drawl of samples, the representative of the laboratory shall make an endorsement on the plot registration certificate that the samples have been drawn for residue testing.</p> <p>5.7 Laboratories <b><u>shall not</u></b> draw samples from plot(s) under the following conditions :</p> <p>(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.</p> <p>(b) If the Registration No. of the plot(s) is not in the coding format given in para 3.5 above,</p> <p>(c) If the farmer/exporter fails to provide a copy of the Registration Certificate along with sketch/ drawing of the lay-out of the</p>
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			<p>adjoining plots (please see paras 3.3 and 3.4 above),</p> <p>(d) In case of any inconsistency (10% variation is allowed) in the calculation of area of plot(s) and likely production stated in the Annexures-3/4 (for area purposes) and 6(B),</p> <p>(e) Unless there is a clear recommendation by the Agri/Hort Officers in Column 15 of the Annexure-6(B) to this effect,</p> <p>(f) If the signature of the farmer or his authorised representative on the sample slip does not match with those given on the Annexure-4 and 6(A) &amp; 6(B),</p> <p>(g) Until the laboratory representative has verified that the sample is being drawn from the plot whose registration is valid,</p> <p>(h) Until relevant calculations have been carried out as per procedure given in Annexure-9, <b>and</b></p> <p>(i) Unless the sample slip, duly filled, accompanies the sample. The samples and the sample slip will go <u>together</u> to the laboratory.</p> <p>5.8 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 :</p> <table border="1" data-bbox="776 1619 1377 1801"> <thead> <tr> <th>Person</th> <th>Name</th> <th>Date</th> <th>Sign</th> </tr> </thead> <tbody> <tr> <td>Sampler</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Courier-1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Courier-2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Laboratory</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>5.9 The representative of the laboratory drawing the sample shall mark the</p>	Person	Name	Date	Sign	Sampler				Courier-1				Courier-2				Laboratory			
Person	Name	Date	Sign																				
Sampler																							
Courier-1																							
Courier-2																							
Laboratory																							

		<p>sample with the sample slip number so as to co-relate the sample slip with the sample drawn.</p> <p>5.10 On arrival in the laboratory, each sample shall be numbered by indicating the relevant code number as per procedure followed by the laboratory.</p> <p>5.11 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 – 9.</p>
6.	Accreditation/ Recognition requirements and the responsibility of Nominated Laboratories	<p>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.</p> <p>6.2 All the nominated laboratories shall have a valid APEDA recognition under its scheme for laboratory recognition.</p> <p>6.3 The laboratories shall test for residue levels of the pesticides (listed in <b>Annexure-11</b>) 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.</p> <p>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.</p> <p>6.5 <u>After ensuring that para 5.7 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-9.</p> <p>6.6 The certificate of residue analysis will be</p>

		issued as per the format given in <b>Annexure-12</b> .
	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-12 on the basis of Annexure-3/4 (for area purposes) and Annexure-6(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 5.7 (d) and 8.14].
	6.8	<p>The laboratories shall print five copies of Certificate of Residue Analysis as per the details given below :</p> <ol style="list-style-type: none"> <li>a) First copy – to be printed as, “<i>Exporter’s copy</i>”, on white colour paper.</li> <li>b) Second copy – to be printed as, “<i>Farmer’s copy</i>”, on blue colour paper.</li> <li>c) Third copy – to be printed as, “<i>PSC issuing Authority copy</i>”, on green colour paper.</li> <li>d) Fourth copy – to be printed as, “<i>Agriculture/Horticulture Officer’s copy</i>”, on yellow colour paper.</li> <li>e) Fifth copy – to be printed as, “<i>Office copy</i>”, of laboratory on pink colour paper.</li> </ol>
	6.9	The nominated laboratories may use a unique security paper/systems while reporting test results, in which case the colour scheme is not necessary. However, other requirements of this document shall be complied with.
	6.10	The laboratory will hand over/send by courier the copies of the certificate of residue analysis directly to the concerned as given in para 6.8. <u>In case, the name and signature of the exporter is not present on the sample slip</u>

			<p>(Annexure-10), the “First copy, i.e., the Exporter’s Copy” will be provided only to the farmer.</p>
		6.11	<p>The yellow copy (fourth copy) of the certificate of residue analysis would be sent to the Agri/Hort Officer (address given in Annexure-4) allotted to the farm for analysis and guidance to farmers.</p>
		6.12	<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 (<b>within 24 hours</b>) bring the matter to the notice of NRL, Horticulture/Agriculture officer (whose address is given in Annexure – 4) 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>
		6.13	<p>In case a grape sample fails and an internal alert has been issued by the NRL, and the farmer/exporter chooses to have re-sampling done at a later date (see Annexure-10), the laboratory should demand from the farmer/exporter, a copy of the previous test report for a specific attention to the pesticides exceeding the MRL values. In such cases, if the second sample passes the test, the laboratory shall, without delay, intimate the NRL to enable them to revoke the Internal Alert Information, which shall be effective from that date (see para 8.13).</p>
		6.14	<p>The nominated laboratories will submit, to the NRL as well as to APEDA, a weekly statement of samples tested as per the format given in <b>Annexure-13</b>.</p>
		6.15	<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</p>

		6.16	<p>Laboratory and the State Govt.. The inspection may be carried out by NRL without prior notice to the laboratory.</p> <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 December 2006 for this purpose.</p>
7.	Procedure for issue of Phyto Sanitary Certificate (PSC)	7.1	<p>The farmer/exporter will apply to the PSC issuing authority for issue of Phyto-Sanitary Certificate alongwith the following documents in addition to meeting their other requirements :</p> <p>(a) The white copy of residue test report,</p> <p>(b) Container loading sheet/packing list,</p> <p>(c) Copy of registration record of grape plot(s) [Annexure-3 (for area purposes)] along with the drawing/sketch of the layout,</p> <p>(d) Copy of declaration by farmer (given at Annexure-5),</p> <p>(e) Farm inspection report (given at Annexure-6 (B),</p> <p>(f) Exporter's / Shipper's declaration (given at Annexure-15),</p> <p>(g) Pack-house Recognition Certificate issued by APEDA, and</p> <p>(h) Self-certified copy of the Certificate of Agmark Grading (CAG) issued by the concerned office of the Directorate of Marketing and Inspection (DMI).</p>
		7.2	<p>The complete procedure for grant of CAG is set out in <b>Annexure-14</b>. DMI will issue the CAG (in the printed forms provided by Apeda to DMI) after receipt of the inspection report from the laboratories through e-mail. The</p>

		<p>exporters should ensure availability of the chemicals, apparatus, etc as given in <u>Appendix – (i)</u> to the Annexure-14. A list of DMI offices is at <u>Appendix – (ii)</u> to Annexure – 14.</p> <p>7.3 Each exporter, at the time of applying for issue of PSC shall give a declaration in <b>Annexure-15</b> to the concerned PSC issuing authority. The onus of proving veracity of the contents of the Annexure lies with the exporter/shipper.</p> <p>7.4 The PSC issuing authorities shall issue PSC <b>only</b> after satisfying themselves that:</p> <ul style="list-style-type: none"> <li>(i) all the above documents [7.1(a) to (h)] have been submitted with the application,</li> <li>(ii) the plot(s) is/are actually registered with the District Agri./ Hort. Office, and is not under suspension or has been cancellation,</li> <li>(iii) the registration number of the plot(s) is in the coding format given in para 3.5 above,</li> <li>(iv) there is a clear recommendation by the Agri/Hort Officer in Column 15 of the Annexure - 6(B) to this effect,</li> <li>(v) signature of farmer on the sample slip matches with those given on Annexures 4, 6(A) and 6(B),</li> <li>(vi) Annexure-12, i.e., the Certificate of Residue Analysis indicates the Plot Registration No., and that the Plot(s) Registration and the Pack-house Registration numbers are the same on all the relevant documents,</li> <li>(vii) the third copy – “PSC issuing Authority copy” on green colour paper has been received and it</li> </ul>
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			<p>matches with the white copy submitted by the exporter,</p> <p>(viii) laboratory test reports (please see Annexure-12) do not reflect residue findings above the MRLs (as given in Annexure-11) with respect to the destination of the consignment declared by the exporter/farmer,</p> <p>(ix) they have not received an Internal Alert Information from the NRL (see para 8.12) or, if received, it has been revoked by them based on re-testing (see para 8.13) on the date of issue of the PSC,</p> <p>(x) after physical verification of the produce at the APEDA recognised pack-house, <b>and</b></p> <p>(xi) the quantity of produce covered by the request for issue of PSC is calculated on the basis of Annexure - 3 (for area purposes) and Annexure-6(B) and is mentioned on the lab. test report.</p>
		7.5	The PSC issuing authorities 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 5.11).
		7.6	In case of one grape farm, 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	PSC issuing authority 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.

		7.9	Phyto-Sanitary Certificate will not be issued in absence of the test report printed on green paper (see para 6.8) or on a unique security paper (see para 6.9) or in case, the sample is found to contain pesticides exceeding the MRLs prescribed by the importing country.
		7.10	The PSC issuing authorities shall also prepare a weekly report as per the format given in <b>Annexure-16</b> and submit the same to the respective State Directorate of Horticulture/Agriculture for onward transmission to APEDA and the NRL.
		7.11	The PSC issuing Authority, while issuing the PSC, will also return the white copy of the test report to the farmer/exporter after making an endorsement on the test report stating that the PSC has been issued for ___ MTs, out of ___ MTs quantity and the balance left is ___ MTs.
		7.12	The PSC shall be issued by the PSC issuing authorities of the districts where the farms/packhouses are located. A list of PSC issuing authorities authorised to issue PSC for export of grapes is given in <b>Annexure-17</b> .
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 will compile residue analysis data of the nominated laboratories for each year. On the basis of the data, the NRL will also prepare a plan of 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 designated laboratories as a measure of conformity. The NRL shall analyse these samples, report as per the format given in Annexure-13 and integrate these

			report in the consolidated report.
		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 submit fortnightly statement of consolidated test reports to APEDA & State Governments as per the format given in <b>Annexure-18</b> .
		8.8	The NRL shall organize training on testing of each residue or groups of residues for the nominated laboratories as well as the farmers.
		8.9	NRL shall organize the inter-laboratory/ proficiency testing 3 - 4 times during the grape season and guide the laboratories.
		8.10	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.
		8.11	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.
		8.12	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, PSC issuing authorities, Laboratories and APEDA 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 <b>Annexure - 19</b> .
		8.13	In case a grape plot, on re-testing of a sample, passes the MRL test (see para 6.13), 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.
		8.14	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. Apeda has developed a web-based software for registration of grape farms at the plot level, which has been hosted on the Apeda website. The data-base so generated shall be used by laboratories for sampling purposes (see para 5.4).
		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 inspection by a laboratory recognized by APEDA.
		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 regularly monitor the functioning of each nominated laboratory to ensure implementation of the procedures laid down in these guidelines based on its testing capacity for pesticide residue analysis.
		10.5	APEDA will evaluate the weekly test results submitted by the nominated laboratories and will require that the control measures suggested by the NRL be implemented by the State Govt. or laboratory, as applicable.
		10.6	Where necessary, APEDA will nominate a Committee consisting of the 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

		10.7	will be checked at the end of the season. 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 <b>Annexure-20</b> ), in addition to the following:  a) Cancellation of the Registration-cum-Membership Certificate of exporters.  b) Derecognition 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 : 25 October 2006  
Place : New Delhi

**(K S MONEY)**  
**CHAIRMAN, APEDA**

**Annexure-1**

**CIRCULAR NO. 91-4/95 PQD DATED 29<sup>TH</sup> FEBRUARY, 2000**

आरक्षण : प्रोटेक्शन  
Telephone : PROTECTION

टेलीफोन :  
Telephone :

पत्र संख्या  
No. 91-4/95 PQD

भारत सरकार  
GOVERNMENT OF INDIA

कृषि मंत्रालय  
MINISTRY OF AGRICULTURE

(कृषि एवम् सहकारिता विभाग)  
(DEPARTMENT OF AGRICULTURE AND CO-OPERATION)

वनस्पति रक्षा, संशोधन और संग्रह निदेशालय  
DIRECTORATE OF PLANT PROTECTION, QUARANTINE & STORAGE

एन. एच.-4, फरीदाबाद (हरियाणा)  
N. H.-IV, FARIDABAD (HARYANA)

दिनांक 19  
Dated 29th Feb 2000

To

All PSC issuing Officers  
(As per List attached)

Sub: Issuance of Phytosanitary Certificate(s) after pesticides residue tests for exportable grapes. Regarding.

.....  
The problem of pesticide residues/arising out of non observation of Good Agricultural Practices (GAP) at farm/orchard level and subsequent rejection of export consignment of plants and Plant products have been major concern to the Government. Several meetings/Conferences/Workshops has been organised to discuss the problem and came out with remedial measures by Deptt. of Agriculture, ICAR/CSIR etc. However, at present Export promotion Council & APEDA have been notified under Export (Inspection & quality Control) Act, 1963 to oversee, Coordinate and issue necessary certificate that the Commodities satisfied the conditions relating to Control and inspection. This also includes the conformation to all required parameters including permissible limits of maximum residue limits of pesticides in the products/ Commodities.

2. Perhaps keeping all this in view APEDA has recognised eight laboratories (Annexure) for issuanace of pesticides residue certificates for exportable graps. It is therefore, requested to check /verify the Pesticides Residue Certificate for exportable graps before issuanace of Phytosanitary Certificates to the Exporter(s) by notified lab.

Yours faithfully,

Encl:As above.

(M.A. ANSARI)  
Deputy Director (Ento.)  
for Plant Protection Adviser  
to the Government of India

copy forwarded to Scheme Officers PP-I Section, Deptt. of Agri. & Cooperation, K.B. New Delhi for information.

2. General Manager, APEDA, Bhikaji Cama Place, N. Delhi-66 in reference to his letter of even number dated. 18.02.2000.

(M.A. ANSARI)

**Annexure-2**

**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 3.4 to 3.10)

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-3**

**REGISTRATION RECORD OF GRAPE FARM/PLOT**

(TO BE MAINTAINED BY THE AGRICULTURE/HORTICULTURE OFFICER AND A COPY TO BE GIVEN TO FARMER)

S. No.	Date of Registration and Renewal	Name of farmer	Location of farm/plot * **	Registration Number of the plot	Crop & variety and total area cultivated	Date of planting	Date of Pruning	Likely production in the current year (in MT)	Name of Exporter	RCMC No. of Exporter	Packhouse Registration Number & Validity
1.	2.	3.	4.	5.	6.	7.	8.	9.	***10.	***11.	***12.

- \* Drawing/map layout of the farm/plot(s) also showing the adjoining properties must be enclosed.
- \*\* The drawing/sketch of the layout must be signed by the Agri/Hort Officer.
- \*\*\* Optional entries

1. It is certified that registration of the above mentioned plot has been done as per procedure given in para 3.2 to 3.10 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.
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

Signature of Agriculture/Horticulture Officer  
Name and Signature:  
Official address of Agriculture/Horticulture Officer  
(mandatory)

**Annexure-4**

**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 pruning : :
- 8) Pesticide application machinery used : :
- 9) Pack-house Registration No., if any, and its validity : :
- 10) 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.

\* Plot size constitutes a maximum of 1.2 Ha (see para 3.6).

Date :

Place :

Signature of the Farmer/Authorised Operator  
Address  
(mandatory)

Checked and certified  
by Agriculture/Horticulture Officer  
Name and Signature:  
Official address of Agriculture/Horticulture Officer  
(mandatory)

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

**Annexure-5**

**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-9 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-3 and map layout</i> )
5.	If late registration (before verasion), indicate areas demarcated <i>[see paras 3.3, 3.4 and 4.2]</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 2006 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 – 6(B)**

**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 4.6 of regulation)	Recommended/Not Recommended
16.	Reasons for not recommending drawl of samples (please see para 4.6 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 - 9. 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 - 4.

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**



**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: dir\_nrcg@vsnl.net, nrcgrape.mah@nic.in

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

S. No.	Pesticide recommended for major pests and diseases	Nature of pesticide	Dose on formulation basis	MRL (mg/kg)				Pre-harvest Interval in Days (PHI)
				EU	UK	NL	Germany	
<b>I</b>	<b>Downy Mildew</b>							
1.	Mancozeb 75 WP, 35 %SC (Indofil M-45, Dithane M-45)	NS	1.5-2.0 g/L	2.00	2.00	3.00	0.05	35
2.	Ziram 80 WP, 27 SC (Cuman L)	NS	1.5-2.0 g/L, 3.5 ml/L	2.00	#	3.00	0.05	66
3.	Propineb 70 WP (Antracol)	NS	3 g/L	2.00	2.00	3.00	0.05	40
4.	COC 50 WP, 50 WG (Blitox, Fytolan, Blue Copper)	NS	2.5 g/L, 2.4g/L	#	#	Cu = 20.00	40.00	42 (Avoid using after fruit set)
5	Copper hydroxide 77 WP (Kocide 101)	NS	2.0 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 1.0 % Post-sprouting 0.5%	#	#	Cu = 20.00	40.00	42 (Avoid using after fruit set)
7.	Captan 50 WP, 75 WP (Captaf)	NS	2.5 g/L, 1.67 g/L	3.00	3.00	3.00	3.00	30
8	Chlorothalonil 75 WP (Kavach)	NS	2.0 g / L	1.00	1.00	1.00	1.00	60
9.	Fosetyl AL 80 WP (Aliette)	S	1.4-2 g/L	#	#	0.20	5.00	30
10.	Metalaxyl + Mancozeb 8%+64 WP (Ridomil MZ, Tata Master)	S+NS	2.5 g/L	2.00+ Mancozeb 2.00	2.00+ Mancozeb 2.00	2.00+ Mancozeb 3.00	0.05 + Mancozeb 0.05	66
11.	Cymoxanil + Mancozeb 8%+64 WP (Curzate M-8)	S+NS	2 g/L	# + Mancozeb 2.00	0.10 + Mancozeb 2.00	0.05 + Mancozeb 3.00	0.20 + Mancozeb 0.05	66
12	Dimethomorph 50 WSG + Mancozeb (Acrobat +Mancozeb)	S + NS	0.5 to 0.75 g/L + 2g/L	# + Mancozeb 2.00	# + Mancozeb 2.00	0.05 + Mancozeb 3.00	2.00 + Mancozeb 0.05	66
13.	Azoxystrobin 23 % SC (Amistar)	S	200 ml /Acre	2.00	2.00	2.00	2.00	7

S. No.	Pesticide recommended for major pests and diseases	Nature of pesticide	Dose on formulation basis	MRL (mg/kg)				Pre-harvest Interval in Days (PHI)
				EU	UK	NL	Germany	
<b>II</b>	<b><u>Powdery Mildew</u></b>							
14.	Penconazole 10 EC (Topas)	S	0.5 ml/L	0.20	0.20	0.20	0.05	50
15.	Triadimefon 25 WP (Bayleton)	S	0.5-1.0 g/L	2.00	2.00	2.00	2.00	45
16.	Hexaconazole 5 EC, 5SC (Contaf)	S	1.0 ml / L or 0.5 ml/L along with 5 g / L potassium bicarbonate	0.10	0.10	0.10	0.10	38
17.	Myclobutanil 10 WP (Systhane)	S	0.4 g/L	1.00	1.00	1.00	0.02	30
18.	Flusilazole** 40 EC (Nustar)	S	25 ml / 200L	#	#	0.05	0.01	50 **
19.	Fenarimol 10 EC (Rubigan)	S	0.4 ml / L	0.30	0.30	0.30	0.30	30
20.	Difenoconazole 25EC (Score)	S	0.5 ml / L	#	#	0.05	0.05	45
21.	Dinocap 48 EC (Karathane)	NS	0.3 - 0.35 ml/L	#	#	0.05	0.50	50
22.	Sulfur 40 SC, 55.16 SC, 80 WP, 80 WDG, 85 WP (Sulfex, Kumulus, Sultaf, Thiovit)	NS	3 ml, 3ml, 2.5g, 1.87-2.5g, 1.5-2 g per L, respectively	#	#	50.00	50.00	Avoid using after fruit set
23.	Potassium bi-carbonate (Available as Potassium Bicarbonate)	NS	5 to 10 g/L	—	—	—	--	--
24.	Azadirachtin 0.03% (Tricure)	Neem based EC formulation	4 ml/L	--	--	--	-	2
13a.	Azoxystrobin 23 % SC (Amistar)	S	200 ml / Acre	2.00	2.00	2.00	2.00	7
<b>III</b>	<b><u>Anthracnose</u></b>							
2a.	Ziram 80 WP, 27 SC (Cuman L)	NS	1.5-2.0 g/L, 3.5 ml/L	2.00	#	3.00	0.05	66
3a.	Propineb 70 WP (Antracol)	NS	3 g/L	2.00	2.00	3.00	0.05	40
4a.	COC 50 WP, 50 WG (Blitox, Fytolan, Blue Copper)	NS	2.5 g/L, 2.4g/L	#	#	Cu = 20.00	40.00	42 (Avoid using after fruit set)
5a.	Copper hydroxide 77 WP (Kocide 101)	NS	2.0 g/L	#	#	Cu = 20.00	40.00	42 (Avoid using after fruit set)
25.	Iprobenphos 48 EC (Kitazin)	NS	2.0 ml/L	#	#	#	0.01	50

S. No.	Pesticide recommended for major pests and diseases	Nature of pesticide	Dose on formulation basis	MRL (mg/kg)				Pre-harvest Interval in Days (PHI)
				EU	UK	NL	Germany	
26.	Carbendazim 50 WP, 46.27 SC (Bavistin)	S	1 g/L, 1 ml/L	2.00	0.30	0.30	2.00	50
<b>IV</b>	<b>Post harvest berry rots</b>							
27.	Iprodione 50 WP (Rovral)	NS	2.0 g / L	10.00	10.00	10.00	0.02	7
<b>V</b>	<b>Flea beetles</b>							
28.	Carbaryl 50 WP (Sevin)	NS	2.0 g/L	3.00	0.05	3.00	3.00	42
29.	Imidacloprid 200 SL (Confidor)	S	0.3 ml/L	#	#	1.00	0.05	60
30.	Thiamethoxam 25 WG (Actara)	S	0.25 g/L	#	#	0.05	0.01	40
31.	Lambda-cyhalothrin 05 EC/CS (Karate EC & Karate Zeon CS)	NS	0.50 ml/L	0.20	0.20	0.20	0.20	30
32.	Clothianidin 50 % WDG (Dantop)	S	0.12 g/L	#	#	#	0.01	40
<b>VI</b>	<b>Thrips and Jassids</b>							
30a.	Thiamethoxam 25 WG (Actara)	S	0.25 g/L	#	#	0.05	0.01	40
33.	Spinosad 45 SC (Tracer)	NS	0.25 ml/L	#	0.50	0.01	0.20	28
34.	Emamectin benzoate 05 SG (Proclaim)	NS	0.22 g/ml/L	#	#	#	0.01	25
35.	Difenthiuron 50 SC (Polo)	S	0.80 g/ml/L	#	#	#	0.01	45
36.	Dimethoate 30 EC (Rogor)	S	1 ml/L	0.02	0.02	0.02	0.02	100 (Should not be used after blossom)
37.	Endosulfan 35 EC (Thiodan)	NS	2ml/L	0.50	0.50	0.50	0.50	65
24a.	Azadirachtin (Neemazal T/S 1%, Neemazal F 5%, Econeem plus 1%, Ozoneem Thrishul 1%)	Neem based EC formulation	1% & 5% @ 2 & 1ml/L	--	--	--	-	3
31a.	Lambda-cyhalothrin 05 EC/CS (Karate EC & Karate Zeon CS)	NS	0.50 ml/L	0.20	0.20	0.20	0.20	30
29a.	Imidacloprid 200 SL (Confidor)	S	0.30 ml/L	#	#	1.00	0.05	60
32a.	Clothianidin 50 % WDG (Dantop)	S	0.12 g/L	#	#	#	0.01	40

S. No.	Pesticide recommended for major pests and diseases	Nature of pesticide	Dose on formulation basis	MRL (mg/kg)				Pre-harvest Interval in Days (PHI)
				EU	UK	NL	Germany	
<b>VII</b>	<b>Mealy bugs</b>							
38.	Chlorpyrifos 20 EC (Dursban)	NS	2.0 ml/L	0.50	0.50	0.50	0.50	40
39.	Malathion 50 EC (Malathion)	NS	2.0 ml/L	0.50	0.50	0.50	0.50	40
40.	Phosalone 35 EC (Zolone)	NS	2.0 ml/L	1.00	1.00	1.00	1.00	40
41.	Methomyl 40 SP (Lannate)	NS	1.0 g/L	0.05	0.05	0.05	0.05	61
42.	Dichlorvos 76 EC (Nuvan)	NS	1.0 ml/L	0.10	0.10	0.10	0.10	15
43.	Cartap Hydrochloride 50 SP (Padan)	S	2.0 g/L	#	#	1.00	0.01	40
24b.	Azadirachtin (Neemazal T/S 1%, Neemazal F 5%, Econeem plus 1%, Ozoneem Thrishul 1%)	Neem based EC formulations	1% & 5% @ 2 & 1 ml/L	--	--	--	--	3
<b>VIII</b>	<b>Caterpillars</b>							
40a.	Phosalone 35 EC (Zolone)	NS	2.0 ml/L	1.00	1.00	1.00	1.00	40
38a.	Chlorpyrifos 20 EC (Dursban)	NS	2.0 ml/L	0.50	0.50	0.50	0.50	40
41a.	Methomyl 40 SP (Lannate)	NS	1.0 g/L	0.05	0.05	0.05	0.05	61
33a.	Spinosad 45 SC (Tracer)	NS	0.25 ml/L	#	0.50	0.01	0.20	28
31b.	Lambda-cyhalothrin 05 EC/CS (Karate EC & Karate Zeon CS)	NS	0.50 ml/L	0.20	0.20	0.20	0.20	30
24c.	Azadirachtin (Neemazal T/S 1%, Neemazal F 5%, Econeem plus 1%, Ozoneem Thrishul 1%)	Neem based EC formulations	1% & 5% @ 2 & 1 ml/L	--	--	--	--	3
<b>IX</b>	<b>Mites</b>							
44.	Dicofol 18.5 EC (Kelthane)	NS	1.0 ml/L	2.00	2.00	2.00	2.00	100
35a.	Difenthiuron 50 SC (Polo)	S	0.8 ml/L	#	#	#	0.01	45
24d.	Azadirachtin (Neemazal T/S 1%, Neemazal F 5%, Econeem plus 1%, Ozoneem Thrishul 1%)	Neem based EC formulations	1% & 5% @ 2 & 1 ml/L	--	--	--	--	3

NS= Non systemic

S= Systemic

# = No MRLs given as yet

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

**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 efficiency of sprayers used.
- After fruit set, all fungicides containing Mancozeb or dithiocarbamates and Sulphur 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.
- For export to Germany, the use of pesticides has to be managed very carefully in the last 60 days before harvest to ensure the MRL compliance.

**Annexure-8**

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

<b>S. No</b>	<b>Name of the Laboratory</b>	<b>Status</b>
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	<b>National Referral Laboratory for Grapes</b>
2)	Geo-Chem Lab Pvt. Ltd., Mumbai 36, Raja Industrial Estate, 1 <sup>st</sup> 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 : 020-25534348, 25281186 Fax : 020-25537695, 26131064 E-mail: irtlpune@yahoo.com irtlpune@rediffmail.com	Government laboratory recognised 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 – 2496 2822/ 2496 3844  Fax : 044 – 2496 3075  E-mail: mariappan_meena@sgs.com</p>	<p>Accredited to  NABL/ISO-17025,  recognised by APEDA</p>
8)	<p>Shriram Institute for Industrial Research  Plot 14 &amp; 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 8) 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 – 3) 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 – 4).
- Second and final Inspection Report of the Agri/Hort Officer [Annexure – 6 (B)]. It is recommended that Annexure – 6 (A) should also be seen.
- Sample slip signed by the farmer and exporter (Annexure – 10).

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

- Information given in, Registration Certificate, map lay out and Annexure – 3 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 – 6(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 – 4, Annexure – 6(A), 6(B) and Annexure – 10 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 =  $110889/24$

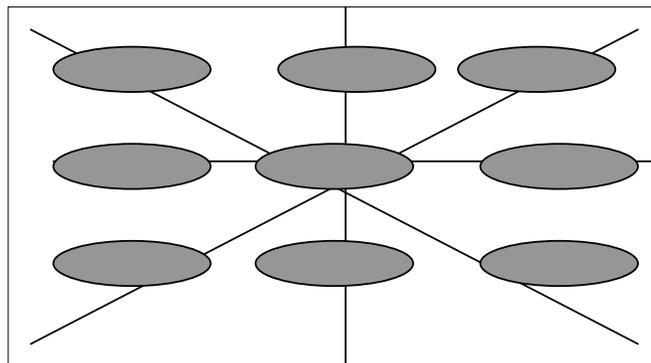
= 4620 vines

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

#### 4. Collection of Sample

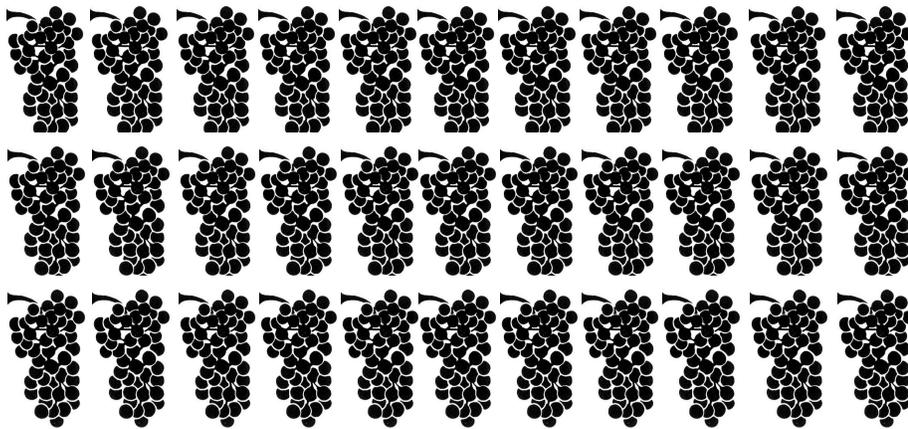
Sample collected should be most representative to the section / block / area /plot selected. To ensure the same

- 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.

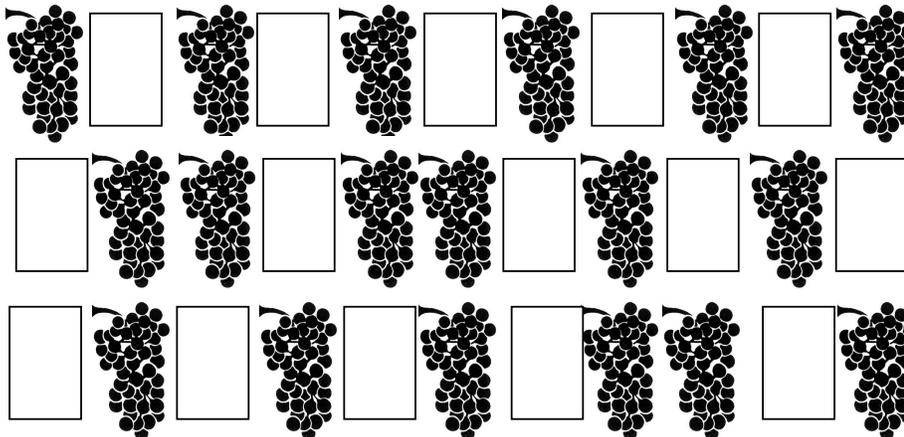


- In case if the section is big, spots could be more than 9 and less in any case.
- Selected spot may have about 20 to 30 vines. From these vines, one or two vines may be selected randomly for sampling. However, selected vines should not be abnormal in terms of less canopy, less number of bunches, infected 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)



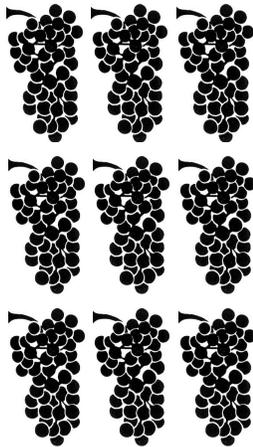
#### 4.2 Randomly select bunches for Laboratory Sample (5 kg) following reduction principle as shown below :



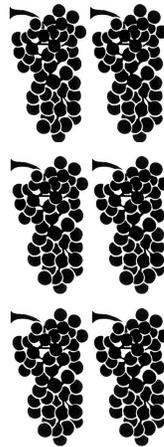
**4.3 Out of 5 kg sample for laboratory, pack separately in two boxes, 3 kg sample for analysis and 2 kg for storage.**

- 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 – 10) 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.

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

**FIRST SAMPLE/RE-SAMPLE**

Sample Slip No. \_\_\_\_\_

*(see para 6.13; 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 6(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 Registration Certificate, Annexure – 4 and Annexure – 6(B) are enclosed.

Date : \_\_\_\_\_  
Place : \_\_\_\_\_

Signature of Exporter  
(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 - 9 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-4 and Annexure – 6(B) from the farmer.
4. That, as on date, APEDA recognition of this laboratory is valid.

Date : \_\_\_\_\_  
Place : \_\_\_\_\_

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

**List of Pesticides to be Analyzed**

MRL values in mg/kg

Sr.No.	Chemicals	EU	UK	Netherlands	Germany	Codex
	<b>A) Organochlorine</b>					
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	
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
	<b>B) Organophosphorus</b>					
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	Chlorpyrifos	0.50	0.50	0.50	0.50	1.00
16	Chlorpyrifos-methyl	0.20	0.20	0.20	0.20	0.20
17	Diazinon	0.02	0.02	0.02	0.02	
18	Dichlorvos	0.10	0.10	0.10	0.10	
19	Dimethoate (Including Omethoate)	0.02	0.02	0.02	0.02	1.00
20	Ethion	0.50	0.50	0.50	0.50	
21	Etrimphos	#	#	0.05	0.02	
22	Fenitrothion	0.50	0.50	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	8.00
26	Methamidophos	0.01	0.01	0.01	0.01	
27	Monocrotophos	#	#	0.02	0.01	
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	

<b>Sr.No.</b>	<b>Chemicals</b>	<b>EU</b>	<b>UK</b>	<b>Netherlands</b>	<b>Germany</b>	<b>Codex</b>
31	Parathion-methyl	0.02	0.02	0.02	0.02	
32	Phorate	0.05	0.05	0.05	0.05	
33	Phosalone	1.00	1.00	1.00	1.00	
34	Phosphamidon	0.15	#	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	0.02	0.02	0.02	0.02	
	<b>C) Synthetic Pyrethroids</b>					
38	Cyfluthrin	0.30	0.30	0.30	0.30	
39	Cypermethrin	0.50	0.50	0.50	0.50	
40	Deltamethrin	0.10	0.10	0.10	0.10	0.05
41	Ethofenprox (Etofenprox)	#	#	0.01	0.01	
42	Fenvalerate & Esfenvalerate (sum of RR & SS isomers)	0.10	0.10	0.02	0.10	
43	Fenvalerate & Esfenvalerate (sum of RS & SR isomers)	0.02	0.02	0.02	0.02	
44	Lambda-cyhalothrin	0.20	0.20	0.20	0.20	
45	Permethrin	0.05	0.05	0.05	0.05	2.00
	<b>D) Triazines</b>					
46	Atrazine	0.10	0.10	0.10	0.10	
47	Simazine	#	#	0.05	0.10	
	<b>E) Acylamino acid fungicides</b>					
48	Metalaxyl	2.00	2.00	2.00	0.05	1.00
	<b>F) Carbamates</b>					
49	Carbaryl	3.00	0.05	3.00	3.00	5.00
50	Carbofuran	0.10	0.02	0.1	0.10	
51	Carbosulfan	0.05	0.05	0.05	0.05	
52	Indoxacarb	#	#	#	0.02	
53	Methomyl	0.05	0.05	0.05	0.05	5.00
54	Thiodicarb (See Methomyl)					
	<b>G) Pyrimidines</b>					
55	Fenarimol	0.30	0.30	0.30	0.30	0.30
	<b>H) Triazoles</b>					
56	Bitertanol	0.05	0.05	0.05	0.05	
57	Flusilazole	#	#	0.05	0.01	
58	Hexaconazole	0.10	0.10	0.10	0.10	0.10

Sr.No.	Chemicals	EU	UK	Netherlands	Germany	Codex
59	Myclobutanil	1.00	1.00	1.00	0.02	1.00
60	Penconazole	0.20	0.20	0.20	0.05	0.20
61	Propiconazole	0.50	0.50	0.50	0.50	0.50
62	<u>Tebuconazole</u>	#	#	2.00	2.00	
63	Triadimefon	2.00	2.00	2.00	2.00	
64	Difenoconazole	#	#	0.05	0.05	
	<b>I) Dicarboximides</b>					
65	Captafol	0.02	0.02	0.02	0.02	
66	Captan	3.00	3.00	3.00	3.00	
67	Iprodione	10.00	10.00	10.00	0.02	10.00
	<b>J) Benzimidazole</b>					
68	Carbendazim (Including Benomyl)	2.00	0.3	0.3	2.00	10.00
69	Thiophanate-methyl	2.00	0.1	0.1	2.00	
	<b>K) Dithiocarbamates</b>					
70	Carbon di sulfide (Mancozeb, Maneb, Propineb, Metiram, Thiram and Ziram collectively estimated as CS <sub>2</sub> )	2.00	2.00	3.00	0.05 (Thiram 4.00)	5.00
71	Ethylene thiourea	#	#	0.02	0.05	
	<b>L) Nicotinoids</b>					
72	Acetamiprid	#	#	#	0.01	
73	Clothianidin	#	#	#	0.01	
74	Imidacloprid	#	#	1.00	0.05	
75	Thiacloprid	#	#	0.02	0.01	
76	Thiamethoxam	#	#	0.05	0.01	
	<b>M) Dinitrophenol</b>					
77	Dinocap	#	#	0.05	0.50	
	<b>N) Aliphatic Nitrogen fungicides</b>					
78	Cymoxanil	#	0.10	0.05	0.20	
	<b>O) Morpholine</b>					
79	Dimethomorph	#	#	0.05	2.00	
	<b>P) Natural Product Derivative</b>					
80	Buprofezin	#	#	0.05	0.02	
81	Cartap hydrochloride	#	#	1.00	0.01	
82	Emamectin Benzoate	#	#	#	0.01	

<b>Sr.No.</b>	<b>Chemicals</b>	<b>EU</b>	<b>UK</b>	<b>Netherlands</b>	<b>Germany</b>	<b>Codex</b>
83	Spinosad (Sum of Spinosyn A+B)	#	0.50	0.01	0.20	
	<b>Q) Substituted Thiourea</b>					
84	Difenthiuron	#	#	#	0.01	
	<b>R) Others</b>					
85	Azoxystrobin	2.00	2.00	2.00	2.00	
86	Fipronil	#	#	0.01	0.01	
87	Flufenoxuron	#	#	0.05	0.01	
88	Metaldehyde	#	#	0.50	0.20	
89	Oxyfluorfen	#	#	#	0.01	
90	Propargite	#	#	10.00	3.00	
	<b>S) Antibiotics</b>					
91	Kasugamycin	#	#	0.05	0.01	
92	Streptomycin	#	#	0.5	0.05	
93	Tetracycline	#	#	#	0.01	

**\*\* In The Netherlands,  $\alpha$  HCH &  $\beta$  HCH has separate MRL of 0.01 mg/kg.  
# No MRL exists, watch for amendments**

**NOTE: German MRL updated on 06 April 2006**

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

**FIRST SAMPLE/RE-SAMPLE** (see para 6.13)

- 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-3/4 (for area purposes) and Annexure-6(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 who 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

**Endorsement by PSC issuing Authority**

This is to certify that PSC has been issued for :

1. \_\_\_\_ MTs, out of \_\_\_\_ MTs quantity and the balance left is \_\_\_\_ MTs.
2. \_\_\_\_ MTs, out of \_\_\_\_ MTs quantity and the balance left is \_\_\_\_ MTs.
3. \_\_\_\_ MTs, out of \_\_\_\_ MTs quantity and the balance left is \_\_\_\_ MTs.

Date :  
Place :

Signature of Authorised Signatory of  
PSC issuing Authority along with seal



**Annexure-13**

**WEEKLY STATEMENT OF SAMPLES TESTED BY NOMINATED LABORATORIES**  
(TO BE SUBMITTED BY NOMINATED LABORATORIES TO NRL AND APEDA)

Date :  
Period of testing :

Product	Name & address of the exporter	Date of sampling	Plot Registration Number and date of renewal	Batch No. of the samples	Dates of commencement and completion of testing	Results (conformed or not conformed) as per requirements	Method of testing	Remarks, in case of non-conformance, with findings
1.	2.	3.	4.	5.	6.	7.	8.	9.
Grapes								
*Soil								
*Water								

\* Testing to be done from areas identified by the NRL.

Place:

Signature  
Name of authorized signatory  
Name of Laboratory

**INSTRUCTIONS FOR GRANT OF C.A. AND CERTIFICATION OF  
GRAPES UNDER AGMARK FOR EXPORTS**

Persons desirous of obtaining Agmark Certification on fruits and vegetables under Agmark 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.

**I. 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/- plus statutory service tax 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. The packhouses must have the laboratory facilities given in **Appendix – (i)**.
- (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 inform the name and address of the printing press from whom he is getting the containers bearing Agmark replica printed.

## **II. Procedure for obtaining Certificate of Agmark Grading (CAG) for export.**

- (1) C.A. holder shall apply giving details of the consignment to the concerned office of DMI for grant of CAG for lot of grapes in the prescribed proforma (**Annex - C-I**). To save time, C.A. holder can submit the application to the approved laboratory through which he/she desires to get the commodity inspected and graded. In such cases, intimation shall also be given to concerned office of DMI simultaneously. The lists of the offices of DMI and the approved laboratories are at **Appendix - (ii)** and **Appendix - (iii)**, respectively.
- (2) Following documents shall be enclosed with the application.
  - a) Self attested copy of commercial invoice.
  - b) Self attested copy of residue analysis report of pesticides from APEDA/DMI approved laboratory.
  - c) Declaration by the exporter in prescribed proforma in **Annex - C-II**.
- (3) Demand draft of the requisite value in favour of the respective DMI offices of the region shall be submitted along with the application. The exact name in which the demand draft is to be prepared may be checked from the respective office of DMI.
- (4) The demand draft towards grading charges will be payable @ 0.2% of FOB value plus statutory service tax subject to a minimum of Rs. 200/- plus statutory service tax per consignment. For the grape season of 2007, the FOB value has been fixed at Rs. 51.85 per kg.
- (5) 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.
- (6) Exporters (CA holder) can offer the lots for inspection and grading at the Airport/Seaport. The size of such lots shall not be more than 5 MT net weight.
- (7) Inspecting officer shall draw sample as per the sampling plan (**Annex - D**). He/she will sign on the containers selected for sampling.
- (8) The inspecting officer will grade the sample according to prescribed standards and assign appropriate grade. He/she will fill up the Inspection Report in the prescribed format (**Annex - E**).

- (9) The Inspection Report along with one copy of the application with all enclosures listed at S. No. 2 & 3 above will be sent to the concerned office of the DMI. The DMI officers will keep a random check on grading.
- (10) DMI will issue the CAG in the prescribed proforma. Only those officers whose signatures have been sent to the customs authorities shall issue the CAG. Inspecting officer and the CAG issuing officer shall put the rubber stamp below their signatures.
- (11) Item 14 of each CAG requires Certificate No.

The procedure for giving the Certificate Nos. shall be as follows :

First two alphabets shall be office code. Next two alphabets shall be the inspecting officer code. Next shall be year code and then running S. No., e.g., CAG issued by Mr. V.K. VERMA of Mumbai Office during the year 2003 shall have the Certificate No. MU/VV/03/O1 and so on.

Office Codes

Mumbai	-	MU	Ahmedabad	-	AH
Nashik	-	NK	Chennai	-	CH
Pune	-	PN	Kochi	-	KO
Sangli	-	SN	Delhi	-	DE
Hyderabad	-	HY	Kanpur	-	KA
Bangalore	-	BA	Lucknow	-	LU
Amritsar	-	AM	Kolkata	-	KK

- (12) First and second copy of the CAG shall be given to C.A. holder. The first copy shall go with consignment documents and C.A. holder can retain the second. Third will be the office copy.

**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.

**Proforma – I**

**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: \_\_\_\_\_ (Signature of the applicant)  
Date: \_\_\_\_\_ 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. 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 – 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 – (i)**.
9. Premises should have arrangements for disposal of rejected, rotten, waste of horticulture produce.

**Appendix – (i)**

**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 <b>or</b> A Brix hydrometer of suitable range, calibrated in tenths of a percentage and standardized at 20° C.  (ii) Thermometer of 0° to 50 °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.

**ANNEX – C-I**

To,  
The Asstt./Dy. Agricultural Marketing Adviser,  
\_\_\_\_\_

Subject : Request for grant of Certificate of Agmark Grading (CAG) for  
consignment of \_\_\_\_\_ for export.

Sir,  
I/We intend to export \_\_\_\_\_ (name of the  
commodity) to \_\_\_\_\_ (destination). Details of the consignment  
are as follows :

Commodity	No. of Boxes	Qty. (in each box)	Total Qty. (in MTs)	FOB value (in Rs.)
-----------	--------------	-----------------------	------------------------	-----------------------

I/we intend to get the inspection and grading done through the approved  
laboratory of M/s.....

The above mentioned consignment may be inspected at

(a) our approved premises at  
\_\_\_\_\_.

**OR** (b) airport/seaport at  
\_\_\_\_\_.

Copies of commercial invoice, residue analysis report of pesticides  
and declaration in Annexure 'C-II' are enclosed. D.D. for  
Rs. \_\_\_\_\_ towards grading charges is also enclosed.

It is requested that the CAG may be issued.

Dated : \_\_\_\_\_

Yours faithfully,

( \_\_\_\_\_ )  
for M/s.

CC : M/s..... (approved laboratory) with a request to please inspect the  
grape consignment referred to above.

**LIST OF AGMARK OFFICIALS FOR ISSUE OF THE  
CERTIFICATE OF AGMARK GRADING**

**MAHARASHTRA**

1. MUMBAI :  
Dr. S. S. P. Rao,  
Dy. 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 - dmiwrmbi@bom.nic.in  
- agmarknet@bom.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 - dmimh@hub.nic.in
  
3. SANGLI :  
Dr. R. R. Saini,  
Marketing Officer  
Directorate of Marketing &  
Inspection, APMC Seva Grah  
Market Yard,  
Sangli  
Telephone No. - 2670629  
Fax No. - No fax  
E-mail - dmimh04@hub.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@hub.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

**Appendix – (iii)****LIST OF NOMINATED LABORATORIES**  
(RECOGNISED BY DMI and ACCREDITED TO NABL/ISO-17025)

<b>S. No</b>	<b>Name of the Laboratory</b>	<b>Status</b>
1)	National Research Centre for Grapes P.B. No. 3, PO Manjiri Farm P.O. Solapur Road Pune – 412 307 (Maharashtra) Phone : 91-20-26914245, 26914246 Fax : 91-20-26914246 E-mail: <a href="mailto:nrcgrape@mah.nic.in">nrcgrape@mah.nic.in</a>	<b>National Referral Laboratory for Grapes</b>
2)	Geo-Chem Lab Pvt. Ltd., Mumbai 36, Raja Industrial Estate, 1 <sup>st</sup> Floor, Purushottam Kheraj Marg, Mulund (West), Mumbai – 400 080. Phone : 022-67974999 Fax : 022-67974616 E-mail: <a href="mailto:neel@geochemgroup.com">neel@geochemgroup.com</a> <a href="mailto:laboratory@geochemgroup.com">laboratory@geochemgroup.com</a>	Accredited to NABL/ISO-17025, recognized by APEDA
3)	Insecticide Residue Testing Laboratory Krishibhavan, Shivajinagar, Pune – 411 005 Phone : 020-25534348, 25281186 Fax : 020-25537695, 26131064 E-mail: <a href="mailto:irtlpune@yahoo.com">irtlpune@yahoo.com</a> <a href="mailto:irtlpune@rediffmail.com">irtlpune@rediffmail.com</a>	Government laboratory recognised 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 : <a href="mailto:nhrdf_nsk@sancharnet.in">nhrdf_nsk@sancharnet.in</a>	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: <a href="mailto:reliablelabs@vsnl.net">reliablelabs@vsnl.net</a>  <a href="mailto:reliablelabs@hotmail.com">reliablelabs@hotmail.com</a></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: <a href="mailto:crm@vimta.com">crm@vimta.com</a>  <a href="mailto:sudhakar@vimta.com">sudhakar@vimta.com</a></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 – 2496 2822/ 2496 3844  Fax : 044 – 2496 3075  E-mail: <a href="mailto:mariappan_meena@sgs.com">mariappan_meena@sgs.com</a></p>	<p>Accredited to  NABL/ISO-17025,  recognised by APEDA</p>
8)	<p>Shriram Institute for Industrial Research  Plot 14 &amp; 15  Sadarmangla Industrial Area,  White Field Road,  Bangalore – 560 048  Phone : 080-28410165, 28412842  Fax : 080-28410189  E-mail: <a href="mailto:srisrb@vsnl.net.in">srisrb@vsnl.net.in</a>  <a href="mailto:sribglr@bgl.vsnl.net.in">sribglr@bgl.vsnl.net.in</a></p>	<p>Accredited to  NABL/ISO-17025,  recognised by APEDA</p>

**DECLARATION**

(To be given by the exporter on their letter-head)

(1) I, \_\_\_\_\_ of M/s \_\_\_\_\_ have/operate from the pack house which is located at the following address :

\_\_\_\_\_  
\_\_\_\_\_

(2) The pack house is registered/ not registered with APEDA vide Recognition No. \_\_\_\_\_ dated \_\_\_\_\_.

(3) We wish to export \_\_\_\_\_ (name of the commodity), whose details are as follows :

Commodity	No. of Boxes	Qty. (in each box)	Total Qty. (in MTs)
-----------	--------------	-----------------------	------------------------

(4) The analysis report bearing No. \_\_\_\_\_ dated \_\_\_\_\_ of the laboratory M/s \_\_\_\_\_ pertains to \_\_\_\_\_ (name of the commodity) referred to in item (3) above.

(5) I, propose to effect export of the \_\_\_\_\_ (name of the commodity) referred to above to \_\_\_\_\_ (destination) and these have been processed and packed under my supervision in the pack house referred to in item (1) above.

(6) I, further certify that the \_\_\_\_\_ (name of the commodity) referred to above are contained in \_\_\_\_\_ number of boxes/cartons and that the laboratory analysis report establishes that \_\_\_\_\_ (name of the commodity) do not contain pesticide residues exceeding the MRLs with respect to the destination.

Place :  
Date :

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

**ANNEX - D**

**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



**Annexure-15**

**SPECIMEN FORMAT OF DECLARATION**

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

- 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 - 9 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 -11 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 – 3) as well as Annexure – 6(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







## Annexure – 17

### **List of PSC issuing authorities authorized to issue PSC for Export of Table Grapes to the European Union**

(Extract from Notification No. 8-97/91-PPI Dated 26-11-1993  
of the Department of Agriculture & Cooperation Govt. of India)

#### **Andhra Pradesh**

<b>S.No.</b>	<b>District</b>	<b>Authority &amp; Office Address</b>	<b>Code No.</b>	<b>Phone, Fax &amp; E-mail</b>
1.	<b>Hyderabad</b>	Officer-in-charge, National Bureau of Plant Genetic Resources, Regional Station, Rajendra Nagar, Hyderabad – 500 030.	<b>`C'(NBPGR) 4(2)</b>	P : 040-24014072 F : 040-24015478 nbpgrhyd@ap.nic.in
2.	<b>Hyderabad</b>	Director, SAMETI (State Agriculture Management and Extension Training Institute), Old Malakpet, Hyderabad – 500 036.	<b>`S'(A)1</b>	P : 040-24558069 F : 040-24558072
3.	<b>Hyderabad</b>	Assistant Director of Agriculture (Ent), SAMETI (State Agriculture Management and Extension Training Institute), Old Malakpet, Hyderabad – 500036.	<b>`S'(AP) 2</b>	P : 040-24558069 F : 040-24558072
4.	<b>Hyderabad</b>	Joint Director of Horticulture/ Dy. Director of Horticulture (Fruits), O/o Commissioner of Horticulture, Public Gardens, Nampally, Hyderabad – 500004.	<b>`S' (AP) 3</b>	P : 040-23234091 F : 040-23240181 dirhort@yahoo.com
5.	<b>Hyderabad</b>	Asst. Director of Horticulture (Vegetables), O/o Commissioner of Horticulture, Public Gardens, Nampally, Hyderabad – 500 004.	<b>`S' (AP) 4</b>	P : 040-23234091 F : 040-23240181 dirhort@yahoo.com
6.	<b>Hyderabad</b>	Deputy Director (PP), NPPTI, Plant Quarantine Station, Air Cargo Complex, Begumpet, Hyderabad.	<b>`PPQS'(1)19</b>	P : 040-24015328 27760956 F : 040-24015346 nppti@hub.nic.in

## Karnataka

S.No.	District	Authority & Office Address	Code No.	Phone, Fax & E-mail
1.	<b>Bangalore</b>	Deputy Director/ Plant Protection Officer, Central Institute for Integrated Pest Management, Jaivik Bhawan, Kannamangala Post, Bangalore – 560066	<b>`C'(PPQS)1 (18)</b>	P/F : 080-28455084
2.	<b>Bangalore</b>	Deputy Director of Agriculture (Plant Pathology) Commissionerate of Agriculture, Seshadri Road, Bangalore – 560001	<b>`S'(KAR)2</b>	P : 080-22215093, 22215096 22210094 Ext - 142 F : 080-22212688 agripfs@kar.nic.in
3.	<b>Bangalore</b>	Directorate of Horticulture, Government of Karnataka, Lalbagh, Bangalore – 560004	<b>`S'(KAR)3</b>	P : 080-26571925 F : 080-26570933 horticulturedirector@vsnl.net
4.	<b>Bijapur</b>	Dr. K. Dhanaraj Deputy Director of Horticulture Jilla Panchayat Bijapur - 576 101	<b>`S'(KAR)4</b>	Telefax : 08352 - 250244
5.	<b>Belgaum</b>	Mr. K.B.Dundi Deputy Director of Horticulture Jilla Panchayat Belgaum – 590 002	<b>`S'(KAR)5</b>	Telefax : 0831 - 2407296
6.	<b>Koppal</b>	Mr. Somshekhar S. Hulloli Deputy Director of Horticulture Koppal – 583 231	<b>`S'(KAR)6</b>	Ph : 958539231530 fax: 08539-220040
7.	<b>Haveri</b>	Deputy Director of Horticulture Jilla Panchayat Haveri.	<b>`S'(KAR)7</b>	Ph : 08375-235736

## Maharashtra

Sr. No.	District	Authority & Office Address	Code No.	Phone & Fax No
1.	<b>Pune</b>	Deputy Director of Agriculture , Commissionerate of Agriculture Krushi Bhavan, Shivajinagar, Pune-411005	<b>'S' (MAH) 5</b>	P : 9520-25534349 F : 9520-25538337 agribiz@agricom.mah.nic.in
2.	<b>Pune</b>	Agriculture Officer , Commissionerate of Agriculture Krushi Bhavan, Shivajinagar, Pune-411005	<b>'S' (MAH) 1</b>	P : 9520-25534349 F : 9520-25538337 agribiz@agricom.mah.nic.in

3.	<b>Nasik</b>	Deputy Director of Agriculture, Office of the District Superintending Agriculture Officer, Behind old Civil Hospital, Shalimar, M.G. Road, Nasik-422001	<b>'S' (MAH) 6</b>	P : 95253-2502135 F : 95253-2595136 distup_nsk@sancharnet.in
4.	<b>Nasik</b>	Agriculture Officer, Office of the District Superintending Agriculture Officer, Behind old Civil Hospital, Shalimar, M.G. Road, Nasik-422001	<b>'S' (MAH)2</b>	P : 95253-2502135 F : 95253-2595136 distup_nsk@sancharnet.in
5.	<b>Solapur</b>	Deputy Director of Agriculture, Office of the District Superintending Agriculture Officer, Central Administrative Building, Near Rangbhavan, Solapur-413001	<b>'S' (MAH) 7</b>	P : 95217-2726013 F : 95217-2626845 spr_dagrisol@sancharnet.in
6.	<b>Solapur</b>	Agriculture Officer, Office of the District Superintending Agriculture Officer, Central Administrative Building, Near Rangbhavan, Solapur-413001	<b>'S' (MAH)3</b>	P : 95217-2726013 F : 95217-2626845 spr_dagrisol@sancharnet.in
7.	<b>Sangli</b>	Deputy Director of Agriculture, Office of the District Superintending Agriculture Officer, Taluka Seed Farm, Kupwad Sangli Miraj Road, Vishrambaug, Sangli - 416416	<b>'S'(MAH)8</b>	P : 95233-2305412 F : 95233-2325787 san_sonavane@sancharnet.in
8.	<b>Sangli</b>	Agriculture Officer, Office of the District superintending Agriculture Officer, Taluka Seed Farm, Kupwad Sangli-Miraj Road, Vishrambaug, Sangli - 416416	<b>'S' (MAH)4</b>	P : 95233-2305412 F : 95233-2325787 san_sonavane@sancharnet.in

**Annexure-18**

**FORTNIGHTLY CONSOLIDATED STATEMENT OF TEST REPORTS**  
(TO BE SUBMITTED BY NATIONAL REFERRAL LABORATORY TO  
RESPECTIVE STATE GOVERNMENTS AND APEDA)

**Produce : Fresh Grapes**

- 1) Report period :
- 2) District and State :
- 3) Taluka/Mandal :
- 4) Block/Village :
- 5) Sampling method :
- 6) Batch Numbers of samples tested :

Sl. No	Name of pesticides	Residue levels found (mg/kg)	MRLs (mg/kg)	Method of testing	Compliances	Non-compliances	Remarks, if any
1.	2.	3.	4.	5.	6.	7.	8.

Place:  
Date :

Signature of the Co-ordinator/  
Authorised Signatory of N R L

**INTERNAL ALERT INFORMATION**

(TO BE ISSUED BY NATIONAL REFERRAL LABORATORY)

Phone: 020-6914245; Fax: 020-6914246; E-mail: nrcgrape@mah.nic.in

Alert Information No.....

Original

Sub: Detection of \_\_\_\_ pesticides beyond MRLs      Page: No\_\_ of \_\_Pages

1. Name of the commodity and variety :
2. Plot Regn. No. and date of renewal :
3. Code Number of the produce, if any :
4. Date of harvest :
5. Date of sampling :
6. Place of sampling :  Plot  
 Pack-house
7. Period of analysis : ..... to .....
8. Findings of the analysis

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. Recommendations by National Referral Laboratory

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date :  
Place :

Signature of the Co-ordinator/  
Authorized Signatory of NRL  
along with seal

Copies to :

1. Concerned Agriculture/Horticulture Officer
2. State Governments
3. All PSC issuing authorities
4. APEDA, New Delhi
5. All nominated laboratories
6. Growers' Federation
7. Farmers' Association
8. Exporters' Association

**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 9<sup>th</sup> January, 1986/Pausa 19, 1907 (Saka)

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

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

No. 2 of 1986

[8<sup>th</sup> 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.

\* \* \* \* \*