

## Bharat GAP Self-assessment Checklist

Section	Principle head	Principle	Questions to be replied	Level	Answer
<b>1.0</b>	<b>Documentation and internal assessment</b>				<b>Yes/ No/ NA</b>
1.1	Internal Documentation	Have documented policy and procedures for documentation. All documents shall be maintained for a minimum period of 2 years unless required and mandated by CB/AB.	Documentation policy shall include: <ul style="list-style-type: none"> <li>Do you have documents in the form of registers/ files for all activities</li> <li>Does record is available for last two years</li> <li>In case of new operator record is available for last 3 months</li> </ul>	Minor	
1.2.	Internal self-assessment	All individual operators shall undertake at least one annual internal self-assessment. All grower groups shall undertake one QMS audit and one farm assessment in respect of all its members once a year.  All grower group without QMS shall undertake one internal peer appraisal for all the members at least once a year	<ul style="list-style-type: none"> <li>Are you undertaking internal self-assessment annually</li> <li>Does the person doing assessment is trained and you have record to prove</li> <li>Does internal assessment checklist covers all P&amp;Cs</li> <li>Does all sites/ plots have been subjected to internal assessment</li> <li>In case if any corrective actions identified during assessment it has be corrected or not</li> </ul>	Major	
<b>2.0</b>	<b>Continuous improvement plan and resource management</b>				
2.1	Continuous improvement plan	A continuous improvement plan is documented.	<ul style="list-style-type: none"> <li>Have you identified improvement points</li> <li>Have you tried to improve the system based on identified shortcomings. What was the target</li> <li>What improvements have been implemented and whether target was achieved or not</li> <li>Have you identified any more improvement activities for future, please write the plan and expected time of improvement</li> </ul>	Minor	
2.2	Resource management training	Individual responsible for decision making on processes, inputs and application shall be trained and competent in area of responsibility.	<ul style="list-style-type: none"> <li>Do you have literature on package of practices for the crops being grown (keep record())</li> <li>Does you or your worker has taken training on PoPs and methodologies</li> <li>Are you taking necessary protection measures as per recommendations</li> </ul>	Major	

			<ul style="list-style-type: none"> <li>Are you maintaining training records. If yes ensure to have proper record in last 12 months</li> </ul>		
<b>3.0</b>	<b>Outsourced activities and sub-contractors</b>				
3.1	Outsourced activities and sub-contractors	The producer ensures that outsourced activities comply with the principles and criteria of the standard which are relevant to the services provided.	<ul style="list-style-type: none"> <li>Are you aware that you are responsible for all the activities of sub-contractor.</li> <li>Are you sure that sub-contractor is aware of GAP practices and its persons are trained</li> </ul>	Minor	
<b>4.0</b>	<b>Traceability</b>				
4.1	Traceability	All registered products shall be traceable back to and from the certified farms where they were produced	<ul style="list-style-type: none"> <li>Do you have documentation system to demonstrate that which lot/ batch belong to which plot</li> <li>Does all lot/ batches are labelled as per labelling system with clear identities</li> <li>Are you maintaining sales records with quantities and you record matches the actual production and sales</li> <li>Are you sure that production, sales and storage records are kept up to date at all times</li> </ul>	Major	
<b>5.0</b>	<b>Parallel production and mass balance</b>				
5.1	Parallel production and separation	Effective system shall be in place to identify and manage separation in time and place for certified and non-certified products during the entire production chain on farms undertaking parallel production operations	<p>Are you doing parallel production (means growing same crop under GAP and Non-GAP management). If yes reply below:</p> <ul style="list-style-type: none"> <li>Are you sure that two systems are separate and there is no chances of contamination or mixing</li> <li>Is there clear separation between production plots</li> <li>Varieties/ crops chosen are different and clearly distinguishable</li> <li>All inputs for two systems are stored separately</li> <li>Are application equipment and tools are washed and cleaned before using in GAP plots</li> <li>Are GAP and Non-GAP products are harvested and stored separately</li> <li>Are you maintaining separate records for both GAP and Non-GAP production systems</li> </ul>	Major	
<b>6.0</b>	<b>Mass Balance</b>				
6.1	Mass balance records	Mass balancing to be demonstrated from production, process, storage to sales	<ul style="list-style-type: none"> <li>Are you maintaining records on inventory – quantity produced, quantity sold, quantity in store</li> <li>Do you have records of sale with invoices and payments received</li> <li>Have you cross checked you inventory once a year, if yes give last inventory verification date .....</li> </ul>	Major	

<b>7.0</b>	<b>Handling non-compliant products and recall</b>				
7.1	Recall and withdrawal	Documented procedures are there to manage the recall and withdrawal of products from market	<p>Whether you have come across any situation when your product has been found to be sub-standard or having higher levels of pesticide residue. If no N/A</p> <p>If yes, reply following</p> <ul style="list-style-type: none"> <li>• Are you maintaining records of such sub-standard produce with quantity. Does it is reflected in your inventory management records</li> <li>• Have you recalled such products from market</li> <li>• Have you separated the sub-standard products and disposed them separately</li> <li>• Have you analyzed and identified the reasons of default?</li> <li>• Have you taken measures to avoid such issues in future</li> <li>• Please specify .....</li> <li>• Have you maintained record of such recall products in last one year on in last two years</li> </ul>	Major	
7.2	Non-conforming products	Documented procedures are in place to manage and handle non-conforming products	<p>Products may be non-conforming due to food safety issues, quality issues, MRL exceedance or contamination. If such cases have been found then reply below questions:</p> <ul style="list-style-type: none"> <li>• Are you segregating such products and redirecting them either as Non-GAP products or disposing-off</li> <li>• If products have been found to unsafe then how you are discarding</li> <li>• Are you considering safety and contamination issues and taking care that they do not contaminate other products</li> </ul>	Major	
<b>8.0</b>	<b>Laboratory testing</b>				
8.1	Lab testing	Lab testing to be done based on risk assessment, its management protocols and industry requirement	<p>Have you identified testing laboratories that are ISO17025 accredited. Have you taken copy of their NABL scope</p> <p>Analysis shall include water quality, plant protection chemical residues, heavy metals, microbial, chemical, and physical contamination or any other parameter identified and indicated by CB</p>	Major	
<b>9.0</b>	<b>Equipment and Devices</b>				
9.1	Equipment maintenance and storage	Equipment, tools, and devices are fit for purpose, maintained and stored safely.	<ul style="list-style-type: none"> <li>• Are you sure that equipment, tools, and devices coming into contact with products or used in PPP or fertilizer application are made of materials that are safe for contact with products and designed and constructed to ensure that they can be cleaned, disinfected, and maintained to avoid contamination.</li> </ul>	Minor	

		Transport vehicles also to be cleaned and disinfected before use.	<ul style="list-style-type: none"> <li>• Are you servicing and repairing your equipment and tools regularly.</li> <li>• spray equipment are calibrated at least once a year</li> <li>• Are you keeping and storing these equipment at safe place where there is no risk of contamination</li> <li>• Are you cleaning your transporting vehicles, containers, storage bins etc to ensure that they do not contaminate products (contamination can be animal manure, fuel spills etc)</li> </ul>		
<b>10.0</b>	<b>Logo Use</b>				
10.1	Logo Use	The Bharat GAP word, trademark, and QR code or logo, as well as the Bharat GAP Number (BGN) are used according to "Bharat GAP trademarks use: Policy and guidelines."	<p>If you have been certified in past, if yes then:</p> <ul style="list-style-type: none"> <li>• Are you using logo on certified products along with Bharat GAP ID</li> <li>• If yes give proof or a photo of label on product</li> </ul>	Major	
<b>11.0</b>	<b>Hygiene management</b>				
11.1	Hygiene	Documented policy procedures are in place for hygiene risk assessment, management, and mitigation	<ul style="list-style-type: none"> <li>• Are you aware that hygiene risk assessment shall cover, physical, chemical, biological risks, human waste, cross contamination from environment and nearby fields.</li> <li>• Have you undertaken such risk assessment and have records</li> <li>• Have you identified some risks-initiated prevention/ mitigation measures. If yes, then what measures taken and are displayed at prominent places. Keep record and evidence</li> <li>• Do you have adequate facilities for cleaning, washing etc Do you have some arrangement for health assessment of workers,</li> <li>• Procedure / signages barring entry of sick or injured workers and availability of first aid kits.</li> <li>• Does all persons are trained in hygiene management and time to time refreshers are provided. Records to be maintained and showed</li> </ul>	Major	

11.2	Access to facilities	Farms shall have access to facilities such as washrooms and toilets at reasonable distance from farm. Production sites should be free from activities like smoking, chewing, drinking.	<ul style="list-style-type: none"> <li>Do you have record to demonstrate that workers have been trained to adopt good hygiene practices and utilize facilities.</li> <li>Have you ensured that no contamination through human activity is allowed.</li> </ul>	Minor	
11.3	Contamination from animal sources	The production sites shall be free from possible contamination through animal activity	Have you taken up preventive measure to ensure that there is no chance of contamination by animals or through their movement	Minor	
11.4	Containers used for packing	Postharvest handling, storage, and transport containers to be safe and hygienic	<ul style="list-style-type: none"> <li>Does your transport and storage containers are made of material that do not pose any risk of contamination.</li> <li>Are you sure that all containers and surfaces coming in contact with produce are cleaned and disinfected and are not used for handling and storage of non-certified products or other contaminating products</li> </ul>	Major	
<b>12.0</b>	<b>Workers health, safety and welfare</b>				
12.1	Risk assessment policy	Operator shall have documented policy and procedures for assessment of risks to workers from farming operations and measures to deal with such emergencies	<p>Do you have documented policy for assessment of risks from farm operations. Possible risks may include:</p> <ul style="list-style-type: none"> <li>Handling of machines, electrical connections,</li> <li>Inflammable materials</li> <li>Chemical exposure</li> <li>Environmental conditions such as extreme temperatures</li> </ul>	Major	
12.2	Training and capacity building	All staff shall be provided with health and safety training according to operations and risk assessment	<p>Do you have training record on topics/ subjects related to:</p> <ul style="list-style-type: none"> <li>Accident and emergency response</li> <li>Natural disasters</li> <li>Workers health, including illness</li> <li>Exposure to chemicals and associated health protection measures</li> <li>List and contact no of emergency personals such as police, fire, ambulance, doctor, nearest hospital etc</li> <li>Display of mitigation measures at appropriate places</li> </ul>	Major	
12.3	First Aid	Operator shall provide training to personals on first aid and have ready first aid kits	<ul style="list-style-type: none"> <li>Have you maintained and displayed name and contact no of responsible person for first aid at common places</li> <li>Does your first aid kits are maintained and renewed timely</li> </ul>	Minor	
12.4	Personal protective gear	Workers, visitors or handlers shall be provided with personal protective equipment (PPE)	Are you providing protective kits to workers spraying hazardous chemicals. Protective that need to be stocked on farm kits may include:	Minor	

		and ensure they are used by the workers	<ul style="list-style-type: none"> <li>• Personal protective equipment as per the operational requirement,</li> <li>• Maintained in clean and working condition,</li> <li>• Protective clothes to be washed, cleaned, and disinfected,</li> <li>• Ensure that all workers use PPE,</li> <li>• Adequate stock to be maintained for disposable PPE,</li> <li>• Label instructions for use of chemicals to be followed</li> </ul>		
<b>13.0</b>	<b>Site Management</b>				
13.1	Site history	Site history for last 5 years to be studied and recorded for at least last one year. Minimum last 3 months is mandatory	Have you ensured that the land in question has not been used for any hazardous activity or have been exposed to chemical or heavy metal contamination or used as dump site or prone to frequent flooding or have risk of getting contaminated from flow of contaminated water.	Major	
13.2	Risk assessment	Operator shall conduct risk assessment for all production sites and products as per policy and procedure and document	Are you sure that assessment is done to identify possible risks that may include: <ul style="list-style-type: none"> <li>• Biological, physical and chemical hazards</li> <li>• Microbial hazards,</li> <li>• cross contamination from nearby sources</li> </ul>	Major	
13.3	Risk management	Risk management plan as per identified risks should be in place, reviewed regularly and implemented	<ul style="list-style-type: none"> <li>• Have you ensured that layout plan and flow of operations are suitable to activity and minimizes food safety risks,</li> <li>• Have you described control measures for each risk and keep adequate mitigation material is stock, show record</li> <li>• Are you ensuring timely adoption of cleaning, pest control and other hygienic practices</li> <li>• Are you checking possible risks and ensuring mitigation measures for all sites, water sources, storages, handling facilities chemical storages,</li> <li>• Do you ensure that all sites are maintained clean, hygienic and contamination free</li> <li>• Do you have effective plan and implementation of waste management protocols, show records</li> </ul>	Major	
<b>14.0</b>	<b>Environment sustainability and Biodiversity management</b>				
14.1	Soil health improvement	Operator shall integrate measures for soil health management and soil organic carbon improvement	Have you maintained documents and evidence that indicate that practices are being used that add to the soil health and soil organic carbon build up. Following practices are important: <ul style="list-style-type: none"> <li>• Annual soil testing reports and status of soil organic carbon (keep record)</li> <li>• Crop residue shall not be burned and should be recycled into soil as compost or as mulch.</li> </ul>	Recommendation	

			<ul style="list-style-type: none"> <li>• Use of liquid manures/ slurries for microbial enrichment of soil (visible evidence)</li> </ul>		
14.2	Preservation of natural ecosystems	Natural ecosystems and forests are not destroyed to transform into agricultural land	<ul style="list-style-type: none"> <li>• Do you have evidences and documents that indicate that no natural and forest area has been transformed to agricultural use.</li> <li>• Please ensure that zoom cultivation practice (cutting forests for crop cultivation in hills) is not permitted</li> </ul>	Major	
14.3	Biodiversity management	Biodiversity is managed to enable its protection and enhancement.	<p>Have you developed a generic biodiversity plan that may include:</p> <ul style="list-style-type: none"> <li>• Baseline: Initial situation of biodiversity (baseline data)</li> <li>• Measures: How to enable protection and enhance biodiversity based on the baseline status</li> <li>• Monitoring summary of results of the implementation of the measures</li> <li>• Adjustment: refining the measures based on monitoring results</li> </ul>	Minor	
14.4	Energy efficiency	Operator shall bring in strategies to reduce dependence on non-renewable sources of energy	<p>Do you have procedures to document and demonstrate efforts for bringing in sustainable and energy efficient technologies such as (you may list out measures adopted after base year):</p> <ul style="list-style-type: none"> <li>• Use of solar energy</li> <li>• Integration of energy efficient irrigation systems</li> <li>• Use of light weight machines</li> <li>• Or any other activity helping in energy conservation</li> </ul>	Recommendation	
<b>15.0</b>	<b>Waste management</b>				
15.1	Sources of pollution	Waste products and sources of pollution to be identified and handling machines to be kept clean	<p>Have you identified possible sources of waste products (paper, cardboard, plastic sheets and containers), unused chemicals and their solutions, oil, fuel etc and put in a process for their removal and ensuring that contamination chances minimized,</p> <p>Non-degradable materials such as plastic are removed and disposed off as per prescribed methods.</p> <p>All handling machines and internal transport are cleaned and disinfected.</p> <p>Storages of chemicals and fuels to be kept protected and away from spillage contamination risks</p>	Major	

15.2	Organic Waste	Organic wastes to be managed for prevention of environmental contamination	Are you adopting a policy to ensure that organic materials are composted at appropriate sites and away from possible contamination risk.  Do you ensure that composting method are non-contaminating and aims to kill pathogens, weed seeds and pest eggs.	Recommendation	
15.3	Waste water management	Waste water should be disposed in a way that minimizes the environmental, health and safety risks	Have you ensures that: <ul style="list-style-type: none"> <li>Waste water from cleaning, washing, should be disposed off in a way that do not pose any contamination, health or safety risk.</li> <li>Drainage do not pose risk to water sources or contaminate the delivery systems.</li> </ul>	Minor	
15.4	Food waste	Food waste to be prevented and managed	Measures are in place to ensure that food waste is prevented through: <ul style="list-style-type: none"> <li>Surplus produce to be diverted for food, fodder or feed</li> <li>Recycled through composting or</li> <li>Processed for other uses (such as for fuel)</li> </ul>	Recommendation	
<b>16.0</b>	<b>Plant propagation material</b>				
16.1	Choice of varieties	Only recommended varieties to be used	<ul style="list-style-type: none"> <li>Do you have documents/ literature to prove that recommended varieties from local Department or research institutions are being used.</li> <li>Also keeping record that varieties/ planting material are sourced from reliable sources or accredited nurseries</li> </ul>	Recommendation	
16.2	Disease free seeds and planting material	Disease free and resistant to prevailing pests and diseases, seeds and planting material to used	<ul style="list-style-type: none"> <li>Have you ensured that disease free seed/ planting material as per recommendation of competent authorities is being used.</li> <li>Planting material is being monitored for presence of disease/ pests and infected stocks to be removed.</li> <li>Source, quality and quantity are being recorded.</li> </ul>	Recommendation	
16.3	Chemical treatments	Records to be maintained for all treatment chemicals to be maintained	<ul style="list-style-type: none"> <li>All chemical treatments are as per recommended package of practices from local authorities and allowed plant protection chemicals to be used (keep record).</li> <li>Details of chemicals such as name, active ingredient, recommended doses, quantity used, method of application, time of application etc are being recorded.</li> <li>In case of purchased treated stock, details on labels are being recorded.</li> </ul>	Major	
<b>17.0</b>	<b>Genetically modified Organisms/ seeds/ planting material</b> <b>Applicable only in cases where GMO seed opr planting material is used</b>				
17.1	Use of GMOs	Only permitted and duly authorized under country	Are you maintaining records including permission for their use and details documented	Minor	



		regulation, GMO seeds/ planting material to be used			
17.2	Information to client	Clients shall be intimated for use of GMO seeds/ planting material and its no-objection to be obtained	Records for such intimation and communication are being maintained	Major	
17.3	Contamination control	Contamination of GMOs with non-GMOs to be avoided	<ul style="list-style-type: none"> <li>• Precautions are taken and documented to ensure that GMOs do not get mixed with other non-GMO products.</li> <li>• Separate sales record to be maintained</li> </ul>	Major	
<b>18.0</b>	<b>Soil and substrate management</b>				
18.1	Soil maps	Soil maps to be prepared and maintained	<ul style="list-style-type: none"> <li>• Do you have developed maps based on soil profile and soil tests maps to be prepared with back up documents</li> <li>• Such maps are in record files</li> </ul>	Recommendation	
18.2	Optimization of soil health	Develop soil management plan in consultation with experts	<ul style="list-style-type: none"> <li>• Have you ensured that based upon expert advice and local package of practices management practices have been integrated for soil health management and crop-based nutrition needs.</li> <li>• Maintained documents on implementation measures.</li> <li>• Do you have policy to review the practices annually and improved upon if needed.</li> </ul>	Major	
18.3	Crop rotation/ multi cropping	Crop rotations and multi-cropping/ intercropping to be encouraged	Are you aware that to maintain soil health and diversity crop rotation and multi-cropping practices, planting of hedge rows, trees, insectary plants/ cover crops are important and are being documented.	Minor	
18.4	Soil fumigation	To be resorted only in exceptional cases with justification	<p>In cases where soil is sick or infested soil fumigation may be resorted, as per expert's recommendations (to be recorded).</p> <p>If adopted have you documented and maintained pre-planting interval</p>	Minor	
18.5	Source of substrate (if used)	Substrate shall be from natural source	<ul style="list-style-type: none"> <li>• Do you have records that prove the origin of the substrates (If used) is of natural origin.</li> <li>• Also ensure that records demonstrate that the substrates do not come from designated conservation areas.</li> </ul>	Major	
18.6	Sterilization	Substrate treatment may be resorted by heat or chemical treatments	<p>If you are undertaking substrate sterilization, then reply:</p> <ul style="list-style-type: none"> <li>• To make the substrate free from microbial and weed seed contamination solar solarization or heat solarization can be done. Practices are recorded.</li> </ul>	Minor	

			<ul style="list-style-type: none"> <li>• If chemical treatment is done then details of chemical, active ingredient, dose and time of treatment are recorded</li> </ul>		
<b>19.0</b>	<b>Fertilizers and Biostimulants</b>				
19.1	Fertilizer use	Recommended package of practices including fertilizer, biostimulants application, their doses and time of application to be recorded	Are you maintaining records to demonstrate: <ul style="list-style-type: none"> <li>• Quantity of fertilizers used,</li> <li>• Doses in terms of nutrients (NPK etc)/ha,</li> <li>• Time of application with dates</li> <li>• Their purchase records and label details</li> </ul>	Major	
19.2	Fertilizer storage	Fertilizers shall be stored in appropriate manner that does not pose any threat to food safety and soil/ environment contamination	<ul style="list-style-type: none"> <li>• Are you ensuring and maintaining records to demonstrate that fertilizers are stored in safe place and do not pose any threat to food safety or soils/ environment.</li> <li>• Have you ensured that Fertilizer chemicals are stored separately from plant protection chemicals and recorded</li> </ul>	Minor	
19.3	Organic fertilizers	Need and application risk assessment to be done	<ul style="list-style-type: none"> <li>• Have you ensured that risks have been considered in organic fertilizer use</li> <li>• Based upon the risks prevention, organic fertilizers are being used and details of their quality, quantity, time of application are recorded.</li> <li>• Have you tested the quality of organic fertilizers and keeping quality analysis report.</li> <li>• In case of purchased one, recording their label claims and labels maintained</li> </ul>	Major	
19.4	Human sewage sludge	Use of human sewage and sludge is prohibited	Are you aware that human sewage sludge and their products are prohibited and you have not used any such product	Major	
19.5	Nutrient contents	Details of nutrient contents (NPK or others) shall be known and recorded	<ul style="list-style-type: none"> <li>• Are you maintaining records on total nutrient contents from all sources (chemical, organic) to be calculated and recorded. Details are available for last 12 months.</li> <li>• Label details and recommendations are being maintained and available for inspection</li> </ul>	Minor	
<b>20.0</b>	<b>Water management</b>				
20.1	Water quality	Risk assessment to be done on quality of water.	Are you sure that water quality meet requirements and annual water testing is done and reports maintained.	Major	

		Water shall be of potable water quality	Are you sure that measures are in place to prevent water use from contaminated sources, such as drains, contaminated rivers/ canals, ground water with high salt content shall not be used		
20.2	Water sources and use	All steps to be recorded	Are you aware that following are recorded: <ul style="list-style-type: none"> <li>• Source of water</li> <li>• Water delivery system (open channel, pipes, sprinkler or drip)</li> <li>• No of irrigations and approximate quantity of water used/ crop</li> </ul>	Minor	
20.3	Sewage treated water	Risk assessment shall be done based on test reports of treated sewage water Treated sewage water can be used in grain crops, plantations and perennials but should not be used in leafy vegetable or short duration herbs/ vegetables.  Treated water shall not be used in postharvest and cleaning operations.	Following to be recorded only in case if treated sewage eater is used, otherwise – Not applicable <ul style="list-style-type: none"> <li>• Details of risk assessment method and test report to be maintained,</li> <li>• Time of application, no of applications and quantity used shall be recorded.</li> </ul>	Major	
20.4	Irrigation practices and equipment upkeep	Irrigation tools are kept up to date to gauge the water use and better efficiency	Are you ensuring that all irrigation tools are kept clean and maintained. Measure are in place to measure the quantum of water used per irrigation and number of irrigations done (this need to be demonstrated)	Minor	
20.5	Rain water conservation	Measures should be adopted to conserve rain water	Have you take some efforts for: <ul style="list-style-type: none"> <li>• Farm ponds, percolation tanks should be created for rainwater conservation and percolation.</li> <li>• Capacities of water holding to calculated</li> </ul>	Recommendation	
<b>21.0</b>	<b>Integrated pest management</b>				
21.1	Training on IPM	Package of practices developed by local research institutes shall be the basis of IPM and training to the workers	<ul style="list-style-type: none"> <li>• Do you have literature and recommendations from ICAR/ SAUs/ KVKs for crop specific IPM packages for time to time referencing.</li> <li>• Have you or your workers have undergone specific IPM training annually</li> </ul>	Recommendation	
21.2	Knowledge about pests, diseases and weeds	Producer and its personals are aware of the type of pest, diseases and weeds which may affect the crop growth	<ul style="list-style-type: none"> <li>• Do you have adequate literature on prevalent pests, diseases and weeds and available on farm.</li> <li>• Are you undergoing annual training on identification of pests and diseases, their symptoms and calculation of</li> </ul>	Recommendation	

			<ul style="list-style-type: none"> <li>Economic threshold limits are known</li> </ul>		
21.3	IPM Plan	Producer shall develop an IPM strategy and implements	<p>Do you know that IPM implementation plan includes:</p> <ul style="list-style-type: none"> <li>Use of rotations, intercroops, insectary crops, border rows with flowering plants, use of traps such as light trap, pheromone trap and sticky blue and yellow plates.</li> <li>Are you sure that IPM strategies are implemented and are documented</li> </ul>	Major	
21.4	Use of natural pest enemies	Producer shall seek the advice of experts for augmentation of natural enemies of pests	<p>Have you integrated/ used following practices and kept a record:</p> <ul style="list-style-type: none"> <li>Details of expert advice, measures taken, types of natural enemies of pests augmented and measures to protect them be documented.</li> <li>Impact of such strategies have been documented and need for their repeated application has been determined</li> </ul>	Minor	
21.5	Evidence for prevention, monitoring and intervention	Operator shall show evidence of implementation of at least one activity for each that fall into the category of prevention, monitoring, and intervention	<p>Are you maintaining documents to show evidence of implementing strategies for:</p> <p>a. Reducing the incidence and intensity of pest attacks, thereby reducing the need for intervention</p> <p>b. Activity that will determine when, and to what extent, pests and their natural enemies are present, and using this information to plan what pest management techniques are required.</p> <p>c. that in situations where pest attack adversely affects the economic value of a crop, intervention with specific pest control methods will take place. Where possible, non-chemical approaches must be considered</p>	Major	
21.6	Anti resistance label recommendation	Have anti-resistance label recommendations been followed to maintain the effectiveness of available plant protection products?	<p>When the level of a pest, disease or weed requires repeated controls in the crops, there is evidence that anti-resistance recommendations (where legal and effective alternatives are available) are followed if specified by the product label.</p> <p>Are you aware of such practices and have you implemented any of them (keep record)</p>	Major	
21.7	List of pests/ diseases in the area	List out the common pests and diseases endemic to the area and those that occurred on the	<p>Are you trained and is well versed to</p> <ul style="list-style-type: none"> <li>Verify the occurrence of the pests and diseases in the area and their ETL based on SAU/ICAR/State Depts./any other govt. approved agency.</li> </ul>	Recommendation	

		crop during the past three crop seasons.			
<b>22.0</b>	<b>Plant protection product (PPP) Management</b>				
22.1	Selection of products	Only the plant protection products (PPP) registered and approved for use in the particular crop is to be used. In India all pesticides are approved and registered for use by CIBRC of Govt of India	Do you have detailed list of registered plant protection products and the crops on which their use is allowed.	Major	
22.2	Use of approved PPPs.	Operators need to ensure that plant protection product applied is appropriate for the target pest and is recommended on the product label?	Are you aware that: <ul style="list-style-type: none"> <li>Only approved and recommended PPP as per recommended package of practices by local research institutes (SAU/ICAR/KVK/ Department) are being used and documented,</li> <li>All label instructions for use, dose and time of application are being followed and documented.</li> </ul>	Major	
22.3	Awareness of banned chemicals	Operator shall be aware of the banned chemicals and is there a process that prevents chemicals that are banned in the target country from being used on crops destined for sale in that country?	Are you aware and keeping records to show that: <ul style="list-style-type: none"> <li>No plant protection product are being used within the last 12 months on the crops grown under Bharat GAP that have been prohibited by the legal authorities</li> </ul>	Major	
22.4	Competence of producer/ advisor	The producer and the advisors shall demonstrate their competence in advising the use of PPPs.	<ul style="list-style-type: none"> <li>Are you sure that you or your worker have demonstrable competence for selection and dose determination of PPP chemicals and have access to literature at his disposal.</li> <li>I am aware that if services of Advisors are taken then such advisors shall be technically qualified or trained for such advisories.</li> </ul>	Major	
22.5	Appropriateness of chemical	Is the crop protection chemical applied, appropriate for the target pest/disease? Is the current list of approved chemicals for the crop is available with the grower?	Are you sure that chemical applied against target pest/disease is as per the recommendation of the label/the SAU/ NRC/any other govt. approved agency concerned with the crop.	Minor	
22.6	Banned chemicals	Banned or non-approved chemical shall not be used	I have checked with the approved list that only approved chemicals have been used	Major	

22.7	Documentation of use and application	All plant protection product application shall be recorded,	I am sure that all plant protection product application are being recorded specifying: a. Brand name and active ingredient b. Production sites and plot no. where used, c. Application date, d. Person who applied/ sprayed e. Name of the pest against which application is intended, f. Quantity or dose applied, g. No of applications done, h. Machinery or equipment used for application	Major	
22.8	Pre-harvest interval	Have the registered pre-harvest intervals prescribed by CIB or approved PHIs by relevant govt. agencies been observed?	<ul style="list-style-type: none"> <li>Pre-harvest interval is very important</li> <li>Are you confident that pre-harvest intervals have been observed for plant protection products applied to the crops. Clear documented procedures such as plant protection product application records and crop harvest dates from treated locations are being maintained.</li> <li>Are you aware that in continuous harvesting situations, systems are in place in the field, orchard or greenhouse, such as warning signs, time of application etc., to ensure compliance with all pre-harvest intervals.</li> </ul>	Major	
<b>23.0</b>	<b>Application equipment</b>				
23.1	Up keep of application machinery and calibration	Plant protection product application machinery shall be kept in good condition and verified annually to ensure accurate application?	<ul style="list-style-type: none"> <li>Are you aware that plant protection product application machinery is kept in a good state of repair with documented evidence of up to date maintenance sheets for all repairs, oil changes, etc. undertaken.</li> <li>Are you aware that plant protection product application machinery (automatic and non-automatic) shall be verified for correct operation within the last 12 months and this is certified or documented either by participation in an official scheme (where it exists) or by having been carried out by a person who can demonstrate their competence.</li> </ul>	Recommendation	
23.2	Label instructions	When mixing plant protection products, are the correct handling and filling procedures followed as stated on the label?	<p>Are you aware and following steps are being implemented to demonstrate that:</p> <ul style="list-style-type: none"> <li>Facilities, including appropriate measuring equipment, shall be adequate for mixing plant protection products, so that the correct handling and filling procedures, as stated on the label, can be followed.</li> </ul>	Minor	
<b>24.0</b>	<b>Disposal of surplus application mix</b>				

24.1	Disposal of surplus application mix	Does surplus application mix or tank washings disposed of according to recommended procedure (by CIB or by authorised research or extension institute) or as per label instructions?	<p>Are you aware and implementing procedures which ensure that:</p> <ul style="list-style-type: none"> <li>Surplus mix or tank washings are disposed of according to recommended procedures or are applied over an untreated part of the crop.</li> <li>There shall be evidence that the recommended doses (as stated on the label) have not been exceeded and all the treatment have been recorded in the same manner and detail as a normal plant protection product application.</li> </ul>	Minor	
<b>25.0</b>	<b>Disposal of empty containers and obsolete products</b>				
25.1	Cleaning of used containers	Empty PPP containers shall be washed before being stored or used	<p>Are you following the steps that show:</p> <ul style="list-style-type: none"> <li>Empty PPP container shall be triple rinsed and rinsate disposed off in way not to contaminate field or environment</li> </ul>	Minor	
25.2	Reuse of empty containers	Empty PPP containers shall not be reused except for handling the same chemical	Are you aware that empty container shall be disposed-off as per the label recommendations and process documented.	Minor	
25.3	Disposal of obsolete chemicals	Obsolete or expired PPP products shall be disposed off as per label recommendations	Are you aware that label recommendations or recommendations issued by the local research or extension institutes are being adopted for disposal of such stock and documents maintained for inspection	Recommendation	
<b>26.</b>	<b>PPP residue analysis</b>				
26.1	Risk assessment	Risk assessment for all applicable products shall be done and MRL requirements to be ascertained	<p>Are you aware about the process of risk assessment</p> <p>Risk Assessment shall include all products, crops and potential risk of MRL exceedance.</p> <p>Risk assessment may conclude that analysis may not be mandatory if following conditions are met</p> <ol style="list-style-type: none"> <li>No use of PPPs during the production season or during postharvest handling</li> <li>Evidences are available for residue testing by the customer</li> <li>Risk assessment validated by third party certification body, auditor or customer</li> </ol> <p>In cases where risk assessment concludes that analysis is required then the number, type, location and frequency of sampling shall be recorded.</p>	Major	

			The producer may delegate the risk assessment and sampling to third party managed Residue Monitoring System that is approved by Bharat GAP programme.		
26.2	Sampling procedure	Proper and approved sampling procedures should be followed.	<p>Are you aware about the need for sampling and the CB shall draw the samples</p> <p>Are you maintaining documentary evidence demonstrating compliance with applicable sampling procedures.</p> <p>Sampling can be carried out by the laboratory approved by Accreditation Body or by NABL accredited lab, compliant to ISO 17025.</p>	Major	
26.3	Record of residue testing	Producer or producer's customer shall provide evidence of annual (or more frequent) residue testing or of participation in a third party plant protection product residue monitoring system, which is traceable to the production location and that covers the plant protection products applied to the crop/product.	<p>Are you aware that there shall be documented evidence or records that demonstrate that either of annual plant protection product residue analysis results for the Bharat GAP registered product crops,</p> <p>or</p> <p>of participation in a third party plant protection product residue monitoring system which is traceable to the farm.</p>	Major	
26.4	Knowledge of MRL of target market	Does the producer (or the producer's customer) able to demonstrate information regarding the market where the producer is intending to trade produce, and the Maximum Residue Level (MRL) of that market?	Do you have a copy of a list of current applicable MRLs for the market(s) where produce is intended to be traded in (whether domestic or international) as issued by FSSAI.	Major	
26.5	Action taken to comply with MRL	Necessary action shall be taken to meet the MRLs of the market the producer is intending to trade his produce in?	Where the MRLs of the market the producer is intending to trade his produce in are stricter than those of the country of production, the producer or the producer's customer can demonstrate that during the production cycle these MRLs have been taken into account.	Major	



26.6	Action on non-compliances of MRL	Producer shall have an documented action plan in place in the event of an MRL being exceeded, either of the country of production or of the countries where produce is intended to be traded in?	Are you maintaining clear documented procedure of the remedial steps and actions, (this will include communication to customers, product tracking exercise, etc.) to be taken where a plant protection product residue analysis indicates an MRL (either of the country of production or of the countries where his harvested product is intended to be traded in if different) is exceeded.	Major	
26.7	Accreditation of laboratory	The laboratory used for residue testing shall be accredited by a competent national authority to ISO 17025 or equivalent standard?	Do you have clear documented evidence either on the letter headings or copies of accreditations etc. that the laboratories used for plant protection product residue analysis have been accredited, or are in the process of accreditation to the applicable scope by a competent national authority to ISO 17025 or an equivalent standard.	Minor	
26.8	Use of other inputs	Up to date records shall be maintained for all inputs and products used in the production and handling other than categories mentioned above	Are you maintaining records on application, justification, dose, quantity and application time to be maintained for products used in water, soil, hydroponic systems, pH correction agents or any botanical or biological nature	Minor	
<b>27.0</b>	<b>Storage of PPP and other inputs</b>				
27.1	Storage	All PPP, biocontrol and other inputs shall be stored in manner not to pose any contamination and health risks	Are you aware that storage conditions shall comply the label directions and general directions issued by the control authorities and are you sure that storage conditions are met for following requirements: <ul style="list-style-type: none"> <li>• Storage located away from production and handling area,</li> <li>• Kept secure and under lock and key</li> <li>• Accessible only to authorized persons trained in their use and handling,</li> <li>• Products used on crops not covered under GAP certification be stored separately.</li> </ul>	Major	
27.2	Storage conditions	PPP products to be stored in conditions and godowns that do not pose any risk	Are you aware that following storage conditions to be met and are you complying to the requirements: <ul style="list-style-type: none"> <li>• Storage house is in good condition and prevents any chances of contamination,</li> <li>• Well illuminated and all containers are properly labeled,</li> <li>• Temperature maintained at ambient levels, to manage their quality</li> <li>• Provisions to manage exigencies such as spillage etc</li> </ul>	Minor	

<b>28.0</b>	<b>Mixing, handling and application</b>				
28.1	Health check of workers	All workers involved in PPP applications shall be subjected to health checks	Are you aware and abiding by the requirements that: <ul style="list-style-type: none"> <li>Workers shall be subjected to health checks. Only healthy without any signs of illness of cut or wound be allowed for PPP applications,</li> <li>Provided with appropriate protective clothing and other gear,</li> <li>Ensure that first aid kits are available in case of emergencies</li> </ul>	Major	
28.2	Mixing	Label instructions and recommendations of local research/ extension institutes be followed	Are you ensuring that <ul style="list-style-type: none"> <li>Only the trained person makes the mix formulations.</li> <li>Mixtures are made as per the label directions or as per the recommendations by local research/ extension institute</li> <li>Measuring and mixing equipment are available</li> </ul>	Major	
28.3	Addressing emergencies	Proper arrangements are there to meet any emergencies	Are you ensuring that your farm follows following: <ul style="list-style-type: none"> <li>All work places have charts and instructions displayed</li> <li>Emergency contact numbers are also displayed at prominent places</li> <li>At least few workers are trained in dealing with such exigencies and in first aid</li> </ul>	Minor	
28.4	Transport of products	All PPP products to be transported in safe and secure manner	Are you ensuring and following the rules that: <ul style="list-style-type: none"> <li>Ensure the safety of PPP products at all time during transport from stores to fields.</li> <li>Ensure that left over materials are brought back and stored.</li> <li>Documents are maintained on quantity supplied and quantity used.</li> </ul>	Minor	
28.5	Invoices and Procurement documentation	All invoices and plant protection product purchase, stocks, storage and use shall be documented	Have you Implemented checks that are necessary to ensure that only approved PPP are procured, stored and used in recommended doses	Minor	
<b>29.0</b>	<b>Post harvest handling (applicable only in cases where operator is also having postharvest handling facility on the farm or having contracted services of another Bharat GAP certified facility)</b>				
29.1	Storage	All harvested products shall be stored to minimize food safety risks	Are you sure that all harvested products are stored in clean and ventilated godowns to minimize the risk of contamination and hygiene risks	Major	
29.2	Cleanliness	All storage, handling area and handling containers/ machines	<ul style="list-style-type: none"> <li>Are you sure that all storage and handling area are cleaned and washed at repeated intervals.</li> <li>All precautions are being observed to ensure hygiene,</li> </ul>	Major	

		are regularly cleaned and maintained hygienically	<ul style="list-style-type: none"> <li>• All handling containers, machines and tools are cleaned, disinfected and hygienic</li> <li>• Cleaning and maintenance records are being maintained including the cleaning operations</li> </ul>		
29.3	Packaging material	Packaging material shall be appropriate to the product, storage conditions and transport to avoid any unintended contamination	<p>Are you sure that:</p> <ul style="list-style-type: none"> <li>• All packaging material including reusable crates be washed, disinfected and kept clean,</li> <li>• All packaging material are kept away from certified product storage,</li> <li>• Containers/ batches are properly labelled.</li> <li>• Certified and non-certified products to be kept in separate godowns.</li> </ul>	Minor	
29.4	Cleaning equipment and agents	Cleaning equipment, agents, lubricants, disinfectants storage do not pose any contamination risk	<p>Are you sure that:</p> <ul style="list-style-type: none"> <li>• All cleaning equipment are maintained in good working condition and regularly cleaned.</li> <li>• All cleaning agents, lubricants and disinfectants to be stored away from certified goods store and handling area.</li> </ul>	Major	
29.5	Contamination and co-mingling	Systems are in place to ensure that foreign materials do not get mixed or contaminate the certified produce	<p>Are you sure that:</p> <p>While handling the postharvest produce all efforts are made that produce do not get contaminated with foreign materials such as stone, sand, insects, glass, plastic, debris etc.</p>	Major	
29.6	Temperature and humidity control	Controlled storage conditions shall be maintained	<p>Are you sure that:</p> <ul style="list-style-type: none"> <li>• As per the requirement of the produce necessary storage conditions such as temperature, humidity, modified storage environment etc are maintained and recorded</li> </ul>	Minor	
29.7	Pest control	Pest control plan shall be in place and effectively implemented	<p>Are you sure that:</p> <ul style="list-style-type: none"> <li>• A pest management plan is in place and displayed through charts</li> <li>• All efforts are being made to keep storage and handling area free from pests, rodents etc.</li> <li>• There are visual evidences that pest management, monitoring and corrective measures are effective and are being followed.</li> </ul>	Major	
29.8	Pest control inspections	Records are maintained for pest control inspections and corrective actions taken	<p>Are you sure and procedures are in place to ensure that:</p> <ul style="list-style-type: none"> <li>• Inspections are carried out at repeated intervals and corrective measures are implemented and records are maintained.</li> </ul>	Minor	

29.9	Product labelling	Final product labelling shall be appropriate and identifies the certified product from non-certified	<p>Are you sure that:</p> <ul style="list-style-type: none"> <li>• Where the final product packing and labelling is part of the scope of certification, product labelling to be done as per applicable requirements in tune with sales/ customers requirement/ specifications.</li> <li>• Packaging material or its design and details will be provided by the customer</li> </ul>	Minor	
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