

IPW EVALUATION FORM: FARM

APPENDIX 1

Evaluation per item according to guidelines	Good 5	Average 3-2	Poor 0	Total
1 IPW training				
2 Farm and vineyard environment				
2.1 Use Table 1A to calculate point out of 60				
2.2 Use Table 1B to calculate the point out of 30 (only if natural areas on the farm have to be conserved)				
3 Soil and terrain				
4 Cultivars				
5 Rootstocks				
6 Vineyard layout				
7 Cultivation practices				
7.1 Cover crop cultivation				
7.2 Herbicide programme (App. 2A) [X2]				
8 Nutrition [X2]				
9 Irrigation				
10 Pruning, training and trellising				
11 Crop and canopy management				
12 Growth regulators				
13 Integrated Pest Management [IPM]				
13.1 Monitoring [X2]				
13.2 Practices [X2]				
13.3 Spray programme (App. 2B & C) [X10]				
14 Handling of chemicals <i>Use checklist in manual.</i>				
14.1 Store for chemicals [X2]				
14.2 Filling points [X2]				

14.3 Medical examinations & records [X2]				
14.1 Training of spray operators [X2]				
14.5 Protective gear, ablution facilities [X2]				
14.6 Disposal of empty containers [X2]				
15 Record keeping [X2]				
TOTAL OUT OF 270 (Only Table 1A completed)				
TOTAL OUT OF 300 (Both Tables 1A & B completed)				

Qualifying score: Farms without natural areas: Minimum 162 points out of 270 [$\geq 60\%$]
 Farms with natural areas: Minimum 180 points out of 300 [$\geq 60\%$]

CUT-OFF POINTS FOR EVALUATION OF SPRAY RECORDS

Appendix 2A: Herbicides

0-10 = Good, i.e. 5 points transferred to guideline 7.2 in Appendix 1
 11-20 = Average, i.e. 2-3 points transferred to guideline 7.2 in Appendix 1
 >20 = Poor, i.e. 0 points transferred to guideline 7.2 in Appendix 1

Appendix 2B & C: Insecticides, nematocides & disease control products

0 – 50 = Good, i.e. 5 points transferred to guideline 13.3 in Appendix 1
 51 – 100 = Average, i.e. 2-3 points transferred to guideline 13.3 in Appendix 1
 >100 = Poor, i.e. 0 points transferred to guideline 13.3 in Appendix 1

Hereby is confirmed that the evaluation forms were completed and submitted as prescribed, together with any action plans required, if any of the criteria to qualify for an IPW certificate under 2.3 of Section D were not complied with.

 Name of farm

 Telephone number

 Producer's name

 Signature

 Date

TABLE 1. EVALUATION OF CONSERVATION AND MANAGEMENT OF FARM AND ENVIRONMENT

Table 1A must be completed by all farms. If no natural areas occur on the farm, Table 1B is not completed.

TABLE 1A. Environment management of farming activities				
	Yes (1)	No (0)	Total	
1. Do you have an environment management plan for the farm (farming activities)? X3				
2. Are action plans completed and objectives reached? X3				
3. Is storm water from buildings and roads suitably channeled to prevent erosion of soil and river banks, and silting up of wetlands? X1				
4. Is all water usage (e.g. bore holes, dams/weirs, extraction from river, modification of river banks) registered at or authorised by the Dept. of Water Affairs? X5				
5. Efficient use of water: are measures in place to ensure that irrigation and household use do not waste water unnecessarily? X1				
6. Water quality – are measures in place to ensure that sewerage systems and storm water do not affect quality of water sources negatively? X1				
Do you comply with the guidelines and are measures, practices or procedures in place to address the following risks?	Yes (1)	No (0)	NA (1)	Tot
7. Have you left sufficient buffer zones for natural vegetation along water courses and around dams to prevent soil erosion? X2				
8. Did you improve/enlarge any farm dams to increase their value as habitat for wildlife (e.g. planting of indigenous plants on dam walls, re-stocking with indigenous fish species)? X1				
9. Are problem animals and household pests (rats, mice, etc.) controlled or managed in an environment friendly way (methods acceptable to conservation bodies like CapeNature)? X1				
10. Effect of habitat disturbance on wildlife – natural vegetation corridors left or established between blocks, actions to mitigate effects, e.g posts and platforms for raptors, nesting boxes for owls or bats? X2				
11. Does storage of fuel (fuel tank) comply with guidelines? X5				
12. Does disposal of household and other solid waste (e.g. dirty oil, oil filters, batteries, scrap metal) comply with guidelines and legislation? X5				
13. Is any waste recycled or sent away for recycling? X3				
14. Are alien invasives (declared weeds) in/around vineyards, orchards, fields & home cleared according to a plan and recommended methods? X5				
15. Are measures/practices in place to reduce air and noise pollution by implements and machinery? (regular service and maintenance of compressors, vehicles, other machinery)? X1				
16. Has provision been made for the impact of tourism on the infrastructure & environment? X1				
17. Do you have a fire-fighting plan for the farm and have all fire hazard priority areas been identified? X2				
18. Is the farm equipped with sufficient, regularly maintained fire-fighting equipment? X2				
19. Are you a member of a Fire Protection Association? X1				
20. Are risks of other farming activities (e.g. dairy, quarry) sufficiently addressed				

and relevant legislation complied with?	X2				
21. Are records of fuel consumption and regular maintenance and service of implements and machinery kept? Are measures in place to limit fuel consumption?	X4				
22. Are records of energy consumption (electricity, gas, etc.) kept? Are measures in place to reduce consumption or make it more efficient?	X4				
23. Development & expansion: were required permits and/or rezoning obtained, were required impact assessments done?	X5				
Bonus points (see Note 1)					
TOTAL for Table 1A [point out of 60 – transfer to App. 1 (IPW evaluation form)]					

Table 1B. Conservation and management of natural areas

2.2.1 Threatened ecosystems	Yes (1)	No (0)	NA (1)	Tot
1. Have you obtained ploughing permits for all developments on virgin soil? (Note: see regulations under 2.2.1 Threatened ecosystems). X5				
2. Have you investigated the conservation value of the farm's natural habitats (i.e. vegetation survey by a specialist, species-list, etc.)? X1				
3. Do you have a conservation management plan/policy drawn up for the farm (See IPW manual). X3				
4. Are action plans implemented and objectives reached? X1				
5. Have the natural areas been awarded some form of formal protection (i.e. conservancy, Special Management Area, Private Nature Reserve? X1				
2.2.1 Rivers and Wetlands				
6. Do you have adequate buffer zones along rivers and wetlands? X2				
7. Is the flow of all rivers and water sources feeding into wetlands still in a natural state (i.e. natural flow not altered or interfered with)? X3				
8. Have you improved/enlarged any aquatic habitat (farm dams, river edges, wetlands) to increase their value as wildlife habitat (e.g. alien clearing, rehabilitation of river banks with indigenous vegetation)? X2				
9. Are the wetlands on the property still in a natural state? X2				
2.2.2 Invading Alien Species				
10. Have you begun with alien clearing operations? X2				
11. Do you have an alien clearing schedule/clearing plan, or at least a record of cleared areas? X1				
12. Have you used the recommended herbicides for alien clearing, correct dosages and prescribed application methods (see guidelines). X1				
13. Have you attempted to control/mitigate against alien invasive grasses or have you attempted to remove/control other alien species, besides alien trees? X1				
2.2.3 Fire management in natural areas				
14. Is a fire management plan for the natural areas in place and is the firefighting equipment adequate for control of veld fires? X2				
15. Have any farm workers received formal fire-fighting training? X1				
16. Are there adequate firebreaks/roads to access the natural areas and have all the areas with high fire-risk been identified? X1				

17. Is the age of the veld known and is there a plan for controlled burns which includes correct burning frequency and season? X1				
Bonus points (see Note 2)				
TOTAL for Table 1B [point out of 30 – transfer to App. 1 (IPW evaluation form)]				

NOTE 1: Bonus points (maximum of 2 points) can be awarded in Table 1A if records for fuel and other energy consumption (e.g. electricity) are used to calculate the farm's carbon footprint with the aid of the Carbon Calculator on the IPW website.

NOTE 2: Bonus points (maximum 2 points) can be awarded for the following type of activities: You have gone out of your way to protect biodiversity or implemented innovative environmental best practices (e.g. recycling programme for all farm waste, Environmental Education activities for farm workers or schools, established an indigenous nursery or plant herbarium, etc.). You must have a **written motivation** to substantiate any bonus points you award yourself.

EVALUATION OF SPRAY RECORD: HERBICIDES

APPENDIX 2A

NAME AND FORMULATION OF PRODUCT/ACTIVE	IP CODING [A]	Amount of active (kg) applied per hectare [B]	APPLICATION METHOD [C]						% of vineyard area treated* [D]	Within guidelines X1 Outside guidelines X10 [E]	Point per Application [AxBxCxDxE]
			Pre-emergence products			Post-emergence products					
			Ridge [X2]	Work row [X3]	Full surface [X5]	Ridge [X1]	Work row [X1]	Full surface [X2]			
TOTAL FOR HERBICIDE SPRAY PROGRAMME											

* % area expressed as decimal, i.e. 100% = 1.0 and 10% = 0.1

EVALUATION OF SPRAY RECORD: PESTICIDES AND NEMATICIDES

APPENDIX 2B

NAME AND FORMULATION OF PRODUCT/ACTIVE	IP RATING [A]	Coding of application method [B]	STAGE OF SEASON APPLIED [C]			% vineyard area treated * [D]	Outside guidelines X10 [E]	Point per Application [AxBxCxDxE]
			Harvest to leaf drop [X4]	Leaf drop to full bloom [X1]	Full bloom to harvest [X2]			
TOTAL FOR PESTICIDE SPRAY PROGRAMME (Transfer to 2C								
below)								

* % area expressed as decimal, i.e. 100% = 1.0 and 10% = 0.1

EVALUATION OF SPRAY RECORD: DISEASE CONTROL PRODUCTS

APPENDIX 2C

NAME AND FORMULATION OF PRODUCT/ACTIVE	IP RATING [A]	Coding of application method [B]	STAGE OF SEASON APPLIED [C]			% vineyard area treated* [D]	Outside guidelines X10 [E]	Point per Application [AxBxCxDxE]
			Harvest to leaf drop [X2]	Leaf drop to full bloom [X1]	Full bloom to harvest [X2]			
TOTAL FOR FUNGICIDE PROGRAMME (Appendix 2C)								
TOTAL FOR PESTICIDE PROGRAMME (Appendix 2B)								
TOTAL FOR SPRAY PROGRAMME (2B + 2C)								

* % area expressed as decimal, i.e. 100% = 1.0 and 10% = 0.1