

Evaluation framework for sustainability criteria

Evaluation criteria		aireg WG5 position	
		Major Must	Minor Must (points)
Ecological criteria			
1. - 3. Soil			
1.	<i>Good farming practice</i>		
1.1.	Improvement of soil productivity and fertility	x	
1.2.	Minimization of erosion (wind, water)	x	
1.3.	Appropriate application of organic/ mineral fertilizers, pesticides (when, where, what)	x	
1.4.	Integrated plant protection	x	
1.5.	Selection of plants adapted to local needs and requirements (species, variant adapted to local climate and soil conditions). Also covered by integrated plant production	x	
1.6.	Use of agricultural residues (like straw) for the enhancement of stability of plant nutrients	x	
1.7.	Safety requirements with respect to the operation of equipment and machinery for field crop production	x	

1.8.	Integrated Crop Management (fertilization, crop rotation) Crop rotation, variety selection, cultivation techniques, plant nutrition and plant protection measures (see integrated plant protection). These practices must be adapted to the existing circumstances in the respective environment. The soil will be conserved by providing tailored fertilization and pests will be controlled dependent on pest infestation (Integrated Pest Management). In addition, the objective of integrated crop management is to retain typical landscape elements and to promote biological pests control, for example by field margins and hedgerows.	x	
1.9.	Storage and disposal of agrochemicals	x	
1.10.	Use of agrochemicals (use: trained, skilled persons, handling and application of safe and maintained equipment)	x	
1.11.	Reporting requirements on use of agrochemicals	x	
1.12.	Waiting time betw. harvests after use of plant protection products (health and safety measure)	x	
1.13.	Nutrient balances and agrochemicals balances	x	
1.14.	Waste management plans with specific reference to recycling and minimization	x	
1.15.	Emergency systems and procedures for accidents	x	
2.	<i>Protection of surface and underground soil carbon</i>		
2.1.	No plowing of soils with high organic content (marshlands, wet meadows)	x	
3. Water			
3.1.	Water management, efficient use of water	x	
3.2.	Safeguarding of water quality	x	
3.3.	Water management plan: Measures for planning a sustainable water supply, identification of problems, dealing with problems, monitoring	x	

4. - 5. Air			
4.	Calculation of GHG emissions		
4.1.	Emission reduction targets: 2013: at least 35%;. 2016: at least 50%; 2017: at least 60% (for new plants)	x	
4.2.	Calculation methodology for current calculating of GHGs (see pages 75/89)	x	
5.	Air quality		
5.1.	Secure air quality by exclusion / limitation of pollution (NOx, SO2, particulate matter)	x	
5.2.	Exclusion of fire clearance, compliance with local regulation / legislation on burning of waste materials on land areas	x	
6. - 10. Transformation			
6.	Land use change (No Go, see 2.1.,11.1., 13.1.)		x
7.	ILUC - Adaptation takes place as soon as EU legislation is passed		-
8.	Land history (important for dLUC, iLUC, calculating GHG emissions): date possibly Jan. 1st, 2008		4
8.	Protection of areas with special protective value (High Conservation Value Areas)		x
10.	environmental impact analysis		x
11. - 12. Biodiversity			
11.	<i>Biodiversity, invasive species</i>		
11.1.	No change in land use of highly biodiverse areas	x	
11.2.	Minimize effects on biodiversity of agricultural land (Biodiversity Action Plan, spec. criteria like wildlife corridors and invasive species)	x	

12.	Mandatory labeling of GMOs		2
13. - 14. Economic criteria			
13.	<i>Economic performance, energy efficiency, energy balance</i>		
13.1.	Resource-friendly practices for economic stability of the company		5
13.2.	Energy balance and energy efficiency		5
14.	<i>Economic added value for the community</i>		
14.1.	Added value for society		4
15. Social aspects			
15.1.	social impact analysis	x	
15.2.	Involvement of relevant local stakeholders	x	
15.3.	Food security	x	
15.4.	Social benefits for society	x	
15.5.	Human Rights (right to physical integrity, the right to education) of the community	x	
15.6.	Compliance with water rights of local communities, customary law	x	
15.7.	Compliance with official laws for water rights	x	
15.8.	Land use rights (compliance with informal and formal agreements)	x	
16. Working conditions			

16.	<i>Working conditions according to ILO</i>		
16.1.	Secure working conditions	x	
16.2.	Education and training	x	
16.3.	No discrimination	x	
16.4.	No child labor	x	
16.5.	No forced labor	x	
16.7.	Freedom of association	x	
16.8.	Fair compensation / Payroll / Accounting	x	
16.9.	Operating redress	x	
16.10.	Dialogue between work force and management	x	
16.11.	Basic schooling for children	x	
16.12.	Timesheet, overtime, breaks	x	
16.13.	Fair contracts with farms	x	
17. Regulations			
17.	Acting in accordance with applicable federal, state and local laws	x	