

Single Payment Scheme

Cross Compliance Soil Protection Review

Important information – please note:

- This Soil Protection Review (SPR) contains a template and the associated guidance on how to complete the template, which must be completed by 1 September 2006 as part of your Cross Compliance requirements.
- You must update this template annually and retain for your records. The templates must be available for inspection.
- You should refer to the *Cross Compliance Guidance for Soil Management 2006 edition* (referred to as the Guidance) when completing this template.
- You are expected to identify the soil types on your farm and record them in Table 1 of your SPR.
- You are expected to identify and acknowledge any soil issues and problems on your farm in Table 2, and record in Section 3 positive measures you currently take or will take to minimise them.
- You must review and update this template during 2007 and 2008.
- You do not have to produce a SPR for common land.
- Claimants farming land used by the Ministry of Defence should complete an SPR noting in the comments boxes of their SPR when an issue arises due to military activity.
- Claimants, particularly those with multiple holdings, may wish to produce separate SPRs for individual farms; if however they choose to produce a single SPR, they will need to provide sufficient information to demonstrate that their SPR adequately covers the different soil types and land uses.
- All SPS applicants must complete an SPR as part of their Cross Compliance requirements.

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What is the Soil Protection Review?

Anyone in receipt of support under the SPS must meet the Good Agricultural and Environmental Condition (GAEC) standards for soil management and protection, as well as all the other relevant standards that are set out in the *Cross Compliance Handbook for England 2006 edition*.

To meet the GAEC standards you must:

- retain and take account of the guidance booklet *Cross Compliance Guidance for Soil Management* (GAEC 1);
- meet GAEC requirements 2–4 as set out in the *Cross Compliance Handbook for England 2006 edition*;
- before 1 September 2006, produce a simple risk-based SPR using this template (GAEC 1); and
- in 2007 and in subsequent years, implement appropriate actions identified to protect soils on your land, and update your SPR at least once each year (GAEC 1).

Last year all farm holdings were sent copies of the booklet *Cross Compliance Guidance for Soil Management 2005 edition* (the Guidance booklet).

We asked for feedback from farmers and growers and are now sending you updated Guidance (PB 11162) and a template so that you can complete your SPR. The template is designed to meet the needs of all farms. However, **you only need to complete the parts in Section 3 that are relevant to your holding**. It is very unlikely that you will need to complete all of it.

You can update your SPR at any time, but you must do so at least once each year. You can simplify this requirement by completing Section 4 in 2007 and Section 5 in 2008. You do not have to prepare a completely new review each year, but you may need to prepare a new one at some time in the future if there have been significant changes in your holding or soil management practices.

Information

- Soil is the farmer's key asset and must be protected.
- Soils are vulnerable to loss of structure, erosion and declining organic matter content.
- Soil loss from agricultural land is damaging habitats and adding costs, particularly to water users.
- Good soil management enables you to make your land more productive and profitable.
- Reducing the risks and costs of soil damage, runoff and erosion is good for profits and the environment.

This template covers four growing seasons: 2006 to 2009

What do I have to do?

There are three parts to the SPR process:

- **identifying soil issues;**
- **deciding on measures to manage and protect soils;**
- **reviewing success.**

Identifying soil issues

1. You should read the updated Guidance booklet (PB 11162), which highlights the issues that may arise on your farm due to its soil, crop type or land use and landscape features. The Guidance provides a list of the main principles of good soil husbandry associated with different soil types and land management. This list cannot cover all possible situations and you should include in your SPR all the management practices that you carry out.
2. Having read the Guidance, consider which of the broad soil types you have on your farm and record them in Table 1.
3. Complete Table 2 to indicate which of the potential issues and problems, detailed in the Guidance, you encounter on your farm.

Deciding on measures to manage and protect soils

4. Using the Guidance, select measures from the principles of good soil husbandry that apply to your enterprises or land use. You should consider the ones you are currently following or considering for the near future and record them in Section 3.

If land is let for short periods for another agricultural use, such as growing vegetables or root crops or keeping outdoor pigs, a SPR covering such enterprises must be completed by the SPS claimant.

You should also complete a SPR for land under set-aside or not in agricultural production. You do not need to complete a SPR for the area grazed on common land.

You may find it helpful to complete the review by considering the activities carried out through the year. Ask yourself whether you encounter any particular problems during primary cultivation and crop establishment, the growing phase, or harvest and post-harvest operations, or as a result of keeping livestock.

We expect you are well aware of any potential soil problems on your holding. Many of you will be dealing adequately with them. If this is the case, a record of how you manage your soils should be the basis of your SPR for the future. However, you should be prepared to acknowledge and act upon any new problems that become apparent.

5. Consider where on your farm you are able to group fields with the same land use/crop type and soil, and what measures you could use from the good soil principles sections of the Guidance to simplify your SPR. However, some fields or parts of fields with the same soil type and under the same land use may justify additional or different measures to reduce the risk. This may be due to variations in the landscape, (such as slopes), location or slight differences in soil texture.

What do I have to do?

(continued)

6. During the farming year make a note of any issue that occurs. If this is a new issue for the holding, you should note it in Section 3 and add it to Table 2.

Useful guidance

If you would like to prepare a more detailed soil management plan, financial support for doing this is available as part of Entry Level Stewardship and Organic Entry Level Stewardship. You may also be able to adopt some good soil management practices towards your Entry Level Stewardship points target. You may also be able to enter a Higher Level Stewardship agreement to reduce problems of erosion and runoff. For further details contact your local Rural Development Service office.

Reviewing success

7. From 1 January 2007, and for each year thereafter, update your SPR by 31 December. Add:
 - any signs of new issues or of existing issues getting worse;
 - any additional measures and actions you may need to adopt;
 - any blocks of land that may need different management, including land new to the holding; and
 - what you will do if and when you change your present farm system, for example by growing new crops, adopting a different cultivation regime or changing your stock management practices.

Useful guidance

The sorts of thing you should look for when deciding whether your SPR has been effective, and which may require new measures to be adopted, include:

- problems you may have had meeting the cross compliance standards (GAEC 2, 3 and 4) for erosion, soil structure and organic matter;
- ruts and compaction caused by machinery when the soil was wet but not waterlogged;
- loss of crop due to compacted soil;
- areas that have standing water or have been waterlogged for long periods;
- water erosion, especially down tramlines;
- soil that has been deposited onto roads, into ditches or into watercourses; and
- wind blow by soil that has damaged crops.

REMEMBER, THIS IS A LIST OF EXAMPLES TO CONSIDER – IT IS NOT A COMPREHENSIVE CHECKLIST

Use these and other indicators to target parts of your farm that may need more attention in future. You should refer back to the Guidance to help amend and update your SPR.

Cross Compliance Soil Protection Review

January 2006 – December 2006

You must complete this review by 1 September 2006

Date of completion

Signature

If you subsequently decide to change your farm system for 2007, you must consider whether you need to update this review. Otherwise you must reassess it during 2007, ready for 2008.

Section 1 Farm details

Name

Farm name

Farm address

Area of holding (ha)

CPH number

Single Business Identifier (SBI)

Person preparing this review

Position

Person(s) responsible for implementing actions resulting from this review, if different

Cross Compliance Soil Protection Review

(continued)

Section 2 Assessment of soils and soil issues

In Table 1, tick the soil types you have on your farm.¹ Refer to the soil triangle and texturing flow-chart in Appendix 1 and the advice in Section C of the Guidance.

Table 1 Soils on your farm

Soil type	Present
Sandy and light silty	
Medium	
Heavy	
Chalk and limestone	
Peaty	

¹ If you already have a map showing the soils on your farm, please attach a copy to this review.

In Table 2 overleaf, indicate any soil issues and problems that occur on your farm. Please refer to Sections B and C of the Guidance. You must acknowledge all the soil issues and problems, even if your current management practices are dealing with them satisfactorily.

Remember, under cross compliance you will not be expected to correct all of these problems completely, but you will have to demonstrate that you are implementing basic good soil management to address them.

Cross Compliance Soil Protection Review

(continued)

Table 2 Soil issues on your farm

If the problem exists you should answer yes, even if your current management is dealing with it satisfactorily

Soil management issue	Is this an issue on your farm?		If yes, note which blocks of land or soil types are affected
	Yes	No	
Low soil organic matter – as indicated by soils that cap and slump easily or are difficult to cultivate			
Compaction due to cultivations			
Damage due to other mechanical operations on wet ground (NB: This is not necessarily the same as the situation covered by GAEC 3, which relates specifically to WATERLOGGED soil)			
Runoff or water erosion from arable land			
Runoff or water erosion from grassland			
Wind erosion			
Poaching of soil by livestock			
Please add here any other soil issues you wish specifically to include			

Cross Compliance Soil Protection Review

(continued)

Section 3 Managing soil issues on a crop-by-crop or livestock basis

Taking account of the soil issues you identified in Table 2, complete Section 3 to show how you currently manage them or will do so in future. If no problems are occurring, you only need enter your current management practices. If some problems still occur despite your current efforts, use the Guidance to help you plan and implement any changes that may be appropriate.

Useful guidance

Soil organic matter (see also the *Cross Compliance Guidance for Soil Management 2006 edition*)

Soil organic matter improves the workability and fertility of soils and reduces the risk of capping, slumping and erosion. Tick positive actions you currently undertake to maintain or improve soil organic matter on your farm, or additional actions you will or might take in future. Remember that applications of bulky organic manures should take account of their fertiliser value. It is particularly important to account for **all** nitrogen additions to land in Nitrate Vulnerable Zones (NVZs). In these areas farmers **must** not apply more nitrogen than the crop requires and there are limits on the total quantity of nitrogen that can be applied in organic manures. In all areas you are encouraged to complete a Nutrient Management Plan to help you meet your obligations and make best use of fertilisers and manures. Further information about nitrogen limits and the NVZ Action Programme Measures can be found in the booklet *Guidelines for Farmers in NVZs England* (PB 5505), available from Defra Publications. This information can also be viewed and downloaded from: www.defra.gov.uk/corporate/regulat/forms/agri_env/nvz/nvz4.pdf

Cross Compliance Soil Protection Review

(continued)

Positive actions to maintain soil organic matter

Positive actions	Do you do this now?		Enter any comments you wish to make, or extra actions you may take in the future (optional)
	Yes	No	
Return straw and/or other crop residues after harvest			
Include grass leys and/or short-term cover crops in the rotation			
Apply farmyard manure or other bulky organic manures such as green waste compost or sewage sludge cake			
Use systems of reduced or shallow cultivation that can maintain or increase organic matter near the surface			
Please add here any other actions you take			

Cross Compliance Soil Protection Review

(continued)

Now consider the soil management issues you identified in Table 2 on a crop-by-crop basis. Using the summary tables given in the Guidance, tick which measures from the soil husbandry principles you will apply. The same reference numbers, e.g. b2, b6, are used in the Guidance and Section 3, to help you. Please add any other measures that are appropriate but not included.

Useful guidance

Remember, if you do not have a particular land use then go to the next relevant section.

On cultivated land you may find it helpful to think about soil management issues in three stages:

- primary cultivations and crop establishment;
- the growing phase; and
- harvest and post-harvest operations.

Grazing livestock should be considered under Sections F and H for forage crops and grassland, outdoor pigs and poultry are also covered by Section F. Flax and hemp should be considered under Section D. Land uses not specifically mentioned are covered under Section L.

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E	Potatoes	13
	Vegetables and salad crops	15
F	Sugar beet	17
	Maize and other forage crops	19
	Fruit crops	20
	Bulbs	21
	Outdoor pigs and poultry	22
G	Short rotation coppice and <i>Miscanthus</i>	23
H	Improved grassland	24
	Natural or semi-natural grassland	25
I	Land under set-aside	26
J	Land not in agricultural production (GAEC 12) or used for non-agricultural activities	28
L	Any other land use	30
K	Is runoff or soil erosion made worse by landscape features?	32

D Do you grow cereals or other combinable crops?

(please tick as appropriate and complete the relevant details)

Yes

No

Go to next section (page 13)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B, C and D of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground	<input type="checkbox"/>	<input type="checkbox"/>	b3 Ensure timeliness of operations		
			b7 Use low ground pressure set-ups		
			b8 Inspect soil structure with spade		
			b9 Match crop to capability of land		
			d5 Remove existing compaction where necessary		
			d6 Remove compaction under shallow cultivation systems		
			d7 Ensure drainage is adequate, including moling		
			Other (give details) <input type="text"/>		
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	b11 Consider risks when planning cropping		
			d1 Drill early in autumn with coarse seedbed		
			d3 Work across the slope where safe to do so		
			d4 Loosen tramlines to increase infiltration		
			d6 Remove compaction under shallow cultivation systems		
			Other (give details) <input type="text"/>		
Wind erosion	<input type="checkbox"/>	<input type="checkbox"/>	c35 Plant and/or maintain hedges or shelter belts		
			d1 Drill early in autumn with coarse seedbed		
			d8 Increase organic matter		

D Cereals or other combinable crops

Continued

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B, C and D of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
		Other (give details) <div style="border: 1px solid black; height: 60px; width: 100%;"></div>			
Use this space to make any additional notes					

E Do you grow potatoes?

(please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 15)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B, C and E of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground	<input type="checkbox"/>	<input type="checkbox"/>	b3 Ensure timeliness of operations	<input type="checkbox"/>	
			b7 Use low ground pressure set-ups	<input type="checkbox"/>	
			b8 Inspect soil structure with spade	<input type="checkbox"/>	
			e1 Match crop to capability of land and check drainage status	<input type="checkbox"/>	
			e3 Use bed systems to reduce wheeled area	<input type="checkbox"/>	
			e4 Remove compaction on headlands, etc.	<input type="checkbox"/>	
			e5 Cultivate to remove compaction after harvest	<input type="checkbox"/>	
			e8 Cultivate wheelings to loosen compaction	<input type="checkbox"/>	
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	e1 Consider risks when planning cropping	<input type="checkbox"/>	
			e2 Avoid planting on slopes that will channel water	<input type="checkbox"/>	
			e3 Ensure wheelings of bed systems allow water to infiltrate	<input type="checkbox"/>	
			e4 Remove compaction on headlands, etc.	<input type="checkbox"/>	
			e5 Cultivate to remove compaction after harvest	<input type="checkbox"/>	
			e6 Manage irrigation to avoid runoff	<input type="checkbox"/>	
			e7 Use tied ridges or dykes in furrows to reduce runoff	<input type="checkbox"/>	
			e9 Rough plough after harvest to leave a cloddy surface	<input type="checkbox"/>	
e11 Cultivate to leave a rough surface after fumigation	<input type="checkbox"/>				

Continued

E Potatoes

Continued

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B, C and E of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
			Other (give details) <input type="text"/>		
Wind erosion	<input type="checkbox"/>	<input type="checkbox"/>	c9/c34 Sow nurse crops c35 Plant and/or maintain hedges or shelter belts e10 Increase soil organic matter Other (give details) <input type="text"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Use this space to make any additional notes					

E Do you grow vegetables or salad crops?

(please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 17)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes <input type="checkbox"/> No <input type="checkbox"/>	Select the measures from the principles of good soil husbandry in the Sections B, C and E of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground		b3 Ensure timeliness of operations		
		b7 Use low ground pressure set-ups		
		b8 Inspect soil structure with spade		
		e1 Match crop to capability of land and check drainage status		
		e3 Use bed systems to reduce wheeled area		
		e4 Remove compaction on headlands, etc.		
		e5 Cultivate to remove compaction after harvest		
		e8 Cultivate wheelings to loosen compaction		
		e11 Cultivate to leave a rough surface after fumigation		
Other (give details) <input type="text"/>				
Runoff or water erosion		e1 Consider risks when planning cropping		
		e2 Avoid planting on slopes that will channel water		
		e3 Ensure wheelings of bed systems allow water to infiltrate		
		e4 Remove compaction on headlands, etc.		
		e5 Remove compaction by post-harvest cultivations		
		e6 Manage irrigation to avoid runoff		
		e7 Use tied ridges or dykes in furrows to reduce runoff		
		e9 Prevent capping and slumping by rough ploughing or cultivation after harvest		

Continued

E Vegetables or salad crops

Continued

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B, C and E of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
			Other (give details) <input type="text"/>		
Wind erosion	<input type="checkbox"/>	<input type="checkbox"/>	c9/c34 Sow nurse crops c35 Plant and/or maintain hedges or shelter belts e10 Increase soil organic matter Other (give details) <input type="text"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Use this space to make any additional notes					

F Do you grow sugar beet?
(please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 19)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes <input type="checkbox"/> No <input type="checkbox"/>	Select the measures from the principles of good soil husbandry in the Sections B, C, E and F of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground		b3 Ensure timeliness of operations		
		b7 Use low ground pressure set-ups		
		b8 Inspect soil structure with spade		
		f1 Match crop to capability of land and check drainage status		
		f6 Cultivate wheelings to loosen compaction		
		f7 Cultivate to remove compaction after harvest		
		Other (give details) <input type="text"/>		
Runoff or water erosion		f1 Consider risks when planning cropping		
		f2 Leave seedbed as coarse as possible		
		f4 Plant across slope if safe to do so		
		f5 Manage irrigation to avoid runoff		
		f6 Cultivate wheelings if they channel water		
		f7 Cultivate to remove compaction after harvest		
		Other (give details) <input type="text"/>		

Continued

F Sugar beet

Continued

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B, C, E and F of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Wind erosion	<input type="checkbox"/>	<input type="checkbox"/>	c35 Plant and/or maintain hedges or shelter belts		
			e10 Increase organic matter		
			f3 Sow nurse crops or plant straw		
			Other (give details) <div style="border: 1px solid black; height: 30px; width: 100%;"></div>		
Use this space to make any additional notes					

F Do you grow maize or other forage crops?

(please tick as appropriate and complete the relevant details)

Yes No

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Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B, F and H of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground	<input type="checkbox"/>	<input type="checkbox"/>	b3 Ensure timeliness	<input type="checkbox"/>	
			b4 Check drainage status	<input type="checkbox"/>	
			b7 Use low ground pressure set-ups	<input type="checkbox"/>	
			b8 Inspect soil structure with spade	<input type="checkbox"/>	
			b9/f9 Match crop to capability of land	<input type="checkbox"/>	
			f6 Cultivate wheelings to loosen compaction	<input type="checkbox"/>	
			f11 Cultivate to remove compaction after harvest	<input type="checkbox"/>	
			f12 Adopt safe grazing practices for other forage crops	<input type="checkbox"/>	
			h6 Choose sites for out-wintering carefully	<input type="checkbox"/>	
Other (give details) <input type="text"/>	<input type="checkbox"/>				
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	f4 Plant across slope if safe to do so	<input type="checkbox"/>	
			f9 Consider risks when planning cropping	<input type="checkbox"/>	
			f10 Sow early maturing varieties	<input type="checkbox"/>	
			Other (give details) <input type="text"/>	<input type="checkbox"/>	
Use this space to make any additional notes or highlight any issues not covered above					

F Do you grow fruit crops?

(please tick as appropriate and complete the relevant details)

Yes

No



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Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and F of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground	<input type="checkbox"/>	<input type="checkbox"/>	b3 Ensure timeliness		
			b7 Use low ground pressure set-ups		
			b8 Inspect soil structure with spade		
			f6 Tine between rows to loosen compaction		
			f13 Match crop to capability of land and check drainage status		
			f14 Avoid planting in wet conditions		
			f20 Avoid grubbing out plants and trees when wet		
			f21 Cultivate headlands and gateways to remove compaction when necessary		
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	f15 Plant across slope if safe to do so		
			f16 Using straw, mulch between rows (see also NVZ guidance)		
			f17 Maintain ground cover between rows		
			f18 Tine between rows		
			f19 Control irrigation to prevent runoff		
			f22 Cultivate to leave a rough surface after fumigation		
Use this space to make any additional notes					

F Do you grow bulbs?

(please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 22)

Section

3

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and F of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground	<input type="checkbox"/>	<input type="checkbox"/>	b3 Ensure timeliness b4 Check drainage status b7 Use low ground pressure set-ups b8 Inspect soil structure with spade f23 Match crop to capability of land and check drainage status f26 Cultivate headlands to remove compaction after planting f27 Cultivate to remove compaction after harvest Other (give details) <input type="text"/>	<input type="checkbox"/>	
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	f23/f24 Consider risks when planning cropping f25 Plant across slope if safe to do so f26 Cultivate headlands to remove compaction after planting f27 Cultivate to remove compaction after harvest f28 Cultivate to leave a rough surface after fumigation Other (give details) <input type="text"/>	<input type="checkbox"/>	
Use this space to make any additional notes					

F Do you keep outdoor pigs or poultry?

(please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 23)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and F of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction or rutting due to delivering feed, moving stock, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<p>b7 Use low ground pressure set-ups</p> <p>b9 Ensure adequate drainage and reduce stocking rate</p> <p>f30 Plan and manage paddocks and tracks to minimise problems</p> <p>f31 Maintain a grass sward</p> <p>f34 Cultivate to remove compaction after stock removal</p> <p>Other (give details)</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<input type="checkbox"/> <input type="checkbox"/>	
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	<p>f29 Avoid sloping or slow draining sites</p> <p>f30 Plan and manage paddocks and tracks to minimise problems</p> <p>f31 Maintain a grass sward</p> <p>f33 Move stock to other paddocks</p> <p>f34 Cultivate to remove compaction after stock removal</p> <p>Other (give details)</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	<input type="checkbox"/> <input type="checkbox"/>	
Use this space to make any additional notes					

G Do you grow short rotation coppice or *Miscanthus*?

(please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 24)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and G of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground	<input type="checkbox"/>	<input type="checkbox"/>	<p>b3 Ensure timeliness</p> <p>b4 Check drainage status</p> <p>b7 Use low ground pressure set-ups</p> <p>b8 Inspect soil structure with spade</p> <p>g1 Match crop to capability of land and check drainage</p> <p>g3 Undertake harvesting when soils are dry</p> <p>g5 Use <i>Miscanthus</i> cane as mulch to protect gateways (see also NVZ guidance)</p> <p>g6 Use trackways across adjacent fields</p> <p>g7 Cultivate to remove compaction after harvest</p> <p>Other (give details)</p> <div style="border: 1px solid black; height: 60px; width: 100%;"></div>	<input type="checkbox"/>	
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	<p>g1 Match crop to capability of land and check drainage</p> <p>g2 Avoid sloping fields</p> <p>g7 Cultivate to remove compaction after harvest</p> <p>Other (give details)</p> <div style="border: 1px solid black; height: 60px; width: 100%;"></div>	<input type="checkbox"/>	
Use this space to make any additional notes					

H Do you keep grazing livestock or manage improved grassland for other purposes?

(please tick as appropriate and complete the relevant details. Do not complete for areas grazed on common land)

Yes

No

Go to next section (page 25)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and H of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to poaching	<input type="checkbox"/>	<input type="checkbox"/>	<p>h1 Remove stock when poaching starts; ensure adequate housing</p> <p>h3 Ensure adequate drainage</p> <p>h4 Use well-drained tracks to move stock</p> <p>h6 Choose sites for out-wintering carefully</p> <p>Other (give details)</p> <input type="text"/>	<input type="checkbox"/> <input type="checkbox"/>	
Damage to soil structure by compaction due to cultivations and other mechanical operations, including delivering feed, moving stock, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<p>b3 Ensure timeliness</p> <p>b7 Use low ground pressure set-ups</p> <p>b8 Inspect soil structure with spade</p> <p>h3 Ensure adequate drainage</p> <p>Other (give details)</p> <input type="text"/>	<input type="checkbox"/> <input type="checkbox"/>	
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	<p>h2 Avoid spreading manure or slurry when runoff may occur (See also NVZ guidance)</p> <p>h4 Use well-drained tracks to move stock</p> <p>h6 Choose sites for out-wintering carefully</p> <p>h7 When reseeding in autumn, sow early</p> <p>h8 Avoid damaging river banks</p> <p>Other (give details)</p> <input type="text"/>	<input type="checkbox"/> <input type="checkbox"/>	

H Do you keep livestock on natural or semi-natural grassland?

(please tick as appropriate and complete the relevant details. Do not complete for areas grazed on common land)

Yes

No

Go to next section (page 26)

Section

3

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and H of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to poaching	<input type="checkbox"/>	<input type="checkbox"/>	h6 Choose sites for out-wintering carefully h9 Adjust stocking rates to preserve vegetation cover h10 Shepherd to prevent overgrazing h11 Manage supplementary feeding h13 Where possible, install and maintain tracks Other (give details) <input type="text"/>	<input type="checkbox"/>	
Damage to soil structure by compaction due to cultivations and other mechanical operations, including delivering feed, moving stock, etc.	<input type="checkbox"/>	<input type="checkbox"/>	h12 Use low ground pressure set-ups Other (give details) <input type="text"/>	<input type="checkbox"/>	
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	h8 Avoid damaging river banks h13 Where possible, install and maintain tracks h14 Manage access by walkers h15 Avoid burning peat soil that may erode afterwards h16 Avoid leaving bare ground after bracken clearance if risk of erosion h17 Manage grips and drains to prevent erosion Other (give details) <input type="text"/>	<input type="checkbox"/>	
Use this space to make any additional notes					

I Do you have land under set-aside?

(please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 28)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and I of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground	<input type="checkbox"/>	<input type="checkbox"/>	<p>b3 Ensure timeliness</p> <p>b7 Use low ground pressure set-ups</p> <p>b8 Inspect soil structure with spade</p> <p>d7 Ensure drainage is adequate, including moling</p> <p>i1 After harvest, loosen compacted areas</p> <p>Other (give details)</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>		
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	<p>b10 Consider risks when planning cropping</p> <p>i2 Where the soil has capped, carry out a shallow cultivation and leave a rough surface before natural regeneration</p> <p>i3 Where soil organic matter is low, establish a green cover by seeding</p> <p>i4 On land at a high risk, establish a green cover by seeding and consider long-term set-aside</p> <p>i5 Establish cover by undersowing or by drilling early; leave a coarse seedbed</p> <p>i6 Establish permanently grassed buffers to help control runoff and erosion</p> <p>i7 If any activity causes ruts or compaction, cultivate and reinstate green cover</p> <p>Other (give details)</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>		

Continued

I Land under set-aside

Continued

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and I of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Wind erosion	<input type="checkbox"/>	<input type="checkbox"/>	b11 Consider risks when planning cropping		
			i3 Where soil organic matter is low, establish a green cover by seeding		
			i4 On land at high risk, establish a green cover by seeding and consider long-term set-aside		
			i5 Establish cover by undersowing or by drilling early; leave a coarse seedbed		
			Other (give details) <input type="text"/>		
Use this space to make any additional notes					

J Do you have land not in agricultural production (GAEC 12) or used for non-agricultural activities? (please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 30)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and J of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground	<input type="checkbox"/>	<input type="checkbox"/>	b3 Ensure timeliness	<input type="checkbox"/>	
			b8 Inspect soil structure with spade	<input type="checkbox"/>	
			j1 After harvest loosen compacted areas	<input type="checkbox"/>	
			j6 If any activity causes ruts or compaction, cultivate and reinstate green cover	<input type="checkbox"/>	
			j8 Maintain drains and ditches	<input type="checkbox"/>	
			Other (give details) <input type="text"/>	<input type="checkbox"/>	
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	j2 Where the soil has capped, carry out a shallow cultivation and leave a rough surface before natural regeneration	<input type="checkbox"/>	
			j3 Where soil organic matter is low, establish a green cover by seeding	<input type="checkbox"/>	
			j4 On land at a high risk, establish a green cover by seeding and consider long-term set-aside	<input type="checkbox"/>	
			j5 Establish by undersowing or by drilling early; leave a coarse seedbed	<input type="checkbox"/>	
			j6 If any activity causes ruts or compaction, cultivate and reinstate green cover	<input type="checkbox"/>	
			j7 Restrict reshaping of the land surface or the repeated passage of vehicles	<input type="checkbox"/>	
			Other (give details) <input type="text"/>	<input type="checkbox"/>	

Continued

J Land not in agricultural production (GAEC 12) or used for non-agricultural activities

Continued

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Select the measures from the principles of good soil husbandry in the Sections B and J of the Guidance	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Wind erosion	<input type="checkbox"/>	<input type="checkbox"/>	j3 Where soil organic matter is low, establish a green cover by seeding		
			j4 On land at a high risk, establish a green cover by seeding		
			j5 Establish by undersowing or by drilling early; leave a coarse seedbed		
			j7 Restrict reshaping of the land surface or the repeated passage of vehicles		
			Other (give details) <input type="text"/>		
Use this space to make any additional notes					

What is the land use?

L Do you engage in any other land use?

(please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 33)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Principles of good soil husbandry I will apply on my farm. Cross-refer to the guidance booklet for further information	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Damage to soil structure by compaction due to cultivations or mechanical operations on wet ground	<input type="checkbox"/>	<input type="checkbox"/>			
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>			

Continued

L Other land use

continued

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue			Principles of good soil husbandry I will apply on my farm. Cross-refer to the guidance booklet for further detail	Tick if they apply	Comments Note here any indications of problems that occur during the year and on which soil types
	Yes	No			
Wind erosion	<input type="checkbox"/>	<input type="checkbox"/>			
Use this space to make any additional notes					

K Is runoff or soil erosion made worse by landscape features?

(please tick as appropriate and complete the relevant details)

Yes

No



Go to next section (page 33)

Comments

Issues that have to be managed on my farm. If any of the issues do not apply go on to the next issue	Yes	No	Principles of good soil husbandry I will apply on my farm. Cross-refer to section K of guidance booklet for further detail	Tick if they apply	Note here any indications of problems that occur during the year and on which soil types
Runoff or water erosion	<input type="checkbox"/>	<input type="checkbox"/>	Intercept runoff on slopes or in valley features that promote or increase runoff		
			Intercept runoff on tracks and paths or other off-field features		
			Move field access points to break runoff pathways		
			Prevent bank erosion by livestock		
			Other (give details) <input type="text"/>		
Wind erosion	<input type="checkbox"/>	<input type="checkbox"/>	Increase shelter on large open fields		
			Other (give details) <input type="text"/>		
Use this space to make any additional notes					

Cross Compliance Soil Protection Review

Review of the year 2007 and actions planned for 2008

You must complete this review by 31 December 2007

Date of completion

Signature

Useful guidance

Remember to consider any changes in your cropping or stock management that may create problems on certain soil types or in certain fields/blocks.

Farm details. Indicate any changes that have occurred from the details in Section 1, page 5

Name

Farm name

Farm address

Area of holding (ha)

CPH number

Single Business Identifier (SBI)

Person preparing this review

Position

Person(s) responsible for implementing actions resulting from this review, if different

Cross Compliance Soil Protection Review

(continued)

Use the following table to indicate any issues that you observed in 2007, and any changes you will introduce in 2008.

Section 4 Review of soil issues and problems in 2007 and actions planned for 2008

Were these particular problems in 2007?	Yes	No	If yes, identify the fields or blocks of land where the problem occurred	If yes, indicate what you will do differently in 2008. If you will not be taking any extra measures you should give reasons
Low soil organic matter – as indicated by soils that cap and slump easily or are difficult to cultivate				
Compaction due to cultivations				
Damage due to other mechanical operations on wet ground (NB: This is not necessarily the same as the situation covered by GAEC 3, which relates specifically to WATERLOGGED soil)				
Runoff or water erosion from arable land				
Runoff or water erosion from grassland				
Wind erosion				
Poaching of soil by livestock				
Please add here any other issues you wish specifically to include				

Cross Compliance Soil Protection Review

(continued)

Review of the year 2008 and actions planned for 2009

You must complete this review by 31 December 2008

Date of completion

Signature

Useful guidance

Remember to consider any changes in your cropping or stock management that may create problems on certain soil types or in certain fields/blocks.

Farm details. Indicate any changes that have occurred from the details in Section 1, page 5

Name

Farm name

Farm address

Area of holding (ha)

CPH number

Single Business Identifier (SBI)

Person preparing this review

Position

Person(s) responsible for implementing actions resulting from this review, if different

Cross Compliance Soil Protection Review

(continued)

Use the following table to indicate any problems that you observed in 2008, and any changes you will introduce in 2009.

Section 5 Review of soil issues and problems in 2008 and actions planned for 2009

Were these particular problems in 2008?	Yes	No	If yes, identify the fields or blocks of land where the problem occurred	If yes, indicate what you will do differently in 2009. If you will not be taking any extra measures you should give reasons
Low soil organic matter – as indicated by soils that cap and slump easily or are difficult to cultivate				
Compaction due to cultivations				
Damage due to other mechanical operations on wet ground (NB: This is not necessarily the same as the situation covered by GAEC 3, which relates specifically to WATERLOGGED soil)				
Runoff or water erosion from arable land				
Runoff or water erosion from grassland				
Wind erosion				
Poaching of soil by livestock				
Please add here any other issues you wish specifically to include				

Useful contacts and sources of advice

Dedicated advice service on land management aspects of cross compliance

Helpline: 0845 345 1302

E-mail: info@crosscompliance.org.uk

Website: www.crosscompliance.org.uk

Information about Environmental Stewardship can be found at:

www.defra.gov.uk/erdp/schemes/es/default.htm

Contact

ES Team, Area 4D, Ergon House, Horseferry Road, London SW1P 2AL

RPA publications on the SPS:

Single Payment Scheme Handbook and Guidance for England 2005

Single Payment Scheme Handbook and Guidance for England 2005 Supplement

To order more of these RPA publications please telephone the RPA Customer Service Centre on 0845 603 7777

Other existing publications on the SPS

Title	Defra Publication No.
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<i>Cross Compliance Handbook for England 2006 edition</i>	PB 11305
<i>Cross Compliance Guidance for Soil Management 2006 edition</i>	PB 11162
<i>Cross Compliance Guidance for the Management of Habitats and Landscape Features 2005 edition</i>	PB 10222C

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Produced by the Department for Environment,
Food and Rural Affairs and the Rural Payments Agency

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PB 11160 November 2006

Printed on recycled paper containing 80% post-consumer
waste and 20% totally chlorine-free virgin pulp

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