# AGRIGRID

## Methodological grids for payment calculations in rural development measures in the EU

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- Task 14New methods for calculating premiums in the rural development<br/>measures

## Report D12 User manual for AGRIGRID Software Tool

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## **1** Introduction

## 1.1 What is AGRIGRID?

AGRIGRID aims to develop methodological grids for the calculation of payments in rural development measures in EU member states. The project covers a representative set of EU member states including Scotland, Germany, Finland, Lithuania, Czech Republic, Italy, Greece, Poland and Spain. These countries cover a range of natural and agronomic conditions from intensive farming with good soils and favourable climatic conditions, to extensive livestock systems in marginal areas with unfavourable natural conditions isolated from markets. The priorities in the Rural Development Plans differ in the partner countries covering all relevant RD measures. The project develops methodological grids for agri-environment measures, compensatory allowances, Natura 2000 payments, forestry measures and animal welfare and meeting standard measures. The project has three main objectives:

- To carry out a comparative of the methods applied by the member states and their regions for calculating the various aids for their current rural development programmes, grouped by measure.
- To elaborate and recommend methodological grids that are based on objective and quantifiable criteria. They should be applicable EU-wide and differentiated by the nature of the measure.
- To elaborate, based on the methodological grids, an appropriate software tool for applying this grid in the individual measures and cases and recommendations for the assessment of payment calculations.

Developing methodological grids for the payment calculation in different RD measures requires a detailed knowledge of present conditions and methods at both production level and policy level. At the production level, it is necessary to gather data on the structure and characteristics of the farming sector including natural and agronomic conditions and production systems and techniques. At the policy level, it is necessary to know the existing methods for payment calculations in RD measures and their impacts on that structure. Existing payment calculations have been reviewed in nine European countries to obtain a better understanding of how the calculations are carried out and to collate a comprehensive database of calculation components.

The review provides the basis for identifying new methods for payment calculations and the development of grids. Based on the review of payment calculations, logic frameworks for the payment calculations in rural development measures have been developed. These logic frameworks provide a generic structure and a clearer exposition of the calculation process. Following the logic frameworks, the different core parts of the calculation process have been identified including baseline requirements, relevant commitments defined in the rural development measures, lists of practices reflecting required changes in farm management, lists of cost, revenue and income components and payment differentiation categories and elements. These parts have then been integrated in the logic models creating methodological grids for payment calculations. One of the main challenges in the AGRIGRID project was to develop a harmonised method for calculating payments across the EU. The methodological grids provide such a harmonised method through an easy-to-follow generic template of seven main calculation steps (Figure 1). The generic template of the step-by-step approach has then been expanded for the different rural development measures according to measure-specific characteristics<sup>1</sup>. In addition to providing a harmonised method for payment calculations to providing a harmonised method for payment calculations according to the structure and flexibility of the methodological grids also ensure that this new method can be applied with different levels of details and available data.

The software tool provides a user friendly platform for the application of the methodological grids developed in Excel and enables end users to calculate payments applying a harmonised step-by-step approach while maintaining sufficient scope to account for variations in available data. In addition, a comparative analysis of different approaches for payment differentiations in selected countries provides valuable information for the elaboration of best-practice examples for suitable payment differentiations which are added to the tutorials of this user guide. This document provides a detailed user guide for the AGRIGRID software tool with instructions for applying the developed methodological grids through the software tool, including tutorials showing a set of calculation examples across the different rural development measures.

<sup>&</sup>lt;sup>1</sup> More information on the grid development is published in the grid development reports available on the project website <u>http://www.macaulay.ac.uk/agrigrid/</u>



Figure 1: Step-by-step approach for calculating payments with the grids

## 2 Setup

## 2.1 System Requirements

#### 2.1.1 Operating System

The AGRIGRID software tool is designed for use with Microsoft Windows® XP although it should be compatible with most other versions of Windows. Ensure that you have the latest Windows updates (i.e. service pack and critical updates) installed – these can be downloaded from the Windows Update website.

#### 2.1.2 Microsoft .NET Framework

The AGRIGRID software tool utilises .NET Framework 2.0. Therefore it is necessary to install the Microsoft .NET Framework 2.0 Redistributable Package (free download from Microsoft). If you are connected to the internet the setup process should automatically download the files that you need. You should also ensure that you have the latest service pack and updates for the .NET Framework by visiting the Windows Update website. You may also need the language pack specific to your locale.

To check whether you have the .NET Framework 2.0 installed on your system consult your Add or Remove Programs via the Control Panel (Figure 2).



Figure 2: Checking the version of the .NET Framework

#### 2.1.3 Other Software Requirements

The electronic documentation is available in PDF format and requires Adobe Reader software (free download from Adobe).

#### 2.1.4 Disk Space Requirements

The following are the approximate disk space requirements:

Microsoft .NET Framework	200 MB
AGRIGRID software tool	50 MB
Adobe Reader	100 MB

#### 2.1.5 Recommended System

The following is the recommended system specification:

- Microsoft Windows XP Service Pack 2 or later, including Windows Installer 3.1 or later and Internet Explorer 6.0 or later
- ✤ .NET Framework 2.0 Service Pack 1
- ✤ Adobe Reader
- ✤ 500MB free disk space
- ✤ Screen resolution of 800 x 600 or higher
- Internet connection

#### 2.2 Installation

#### 2.2.1 Installation from CD

Insert the disc labelled *AGRIGRID Software Tool* into your CD-ROM drive. After a few seconds the auto-run feature should launch the setup program. If the program does not appear, you may have auto-run disabled. To manually start the setup process, open My Computer and browse the CD-Rom drive containing the installation CD. Double-click on the setup-.exe file to launch the setup program.

#### 2.2.2 Installation from Downloaded Setup File

Unzip the downloaded setup archive and run the enclosed setup.exe program.

#### 2.2.3 Setup Process

The software bundle is provided in English but should operate correctly in non-English locales.

#### 2.2.4 Prerequisites: .NET Framework and Windows Installer

If you do not have the correct version of the .NET Framework or Windows Installer installed, then you will be prompted with the window shown in Figure 3.

🗱 AGRIGRID 🔀				
For the following components:				
.NET Framework 2.0				
Please read the following license agreement. Press the page down key to see the rest of the agreement.				
MICROSOFT SOFTWARE SUPPLEMENTAL LICENSE TERMS MICROSOFT .NET FRAMEWORK 2.0 MICROSOFT WINDOWS INSTALLER 2.0 MICROSOFT WINDOWS INSTALLER 3.1 Microsoft Corporation (or based on where you live, one of its affiliates) licenses this supplement to you. If you are licensed to use Microsoft Windows operating system software (the "software"), you may use this supplement. You may not use it if you do not have a license for the software. You may use a copy of this supplement with each validly licensed copy of the software.				
View EULA for printing				
Do you accept the terms of the pending License Agreement?				
If you choose Don't Accept, install will close. To install you must accept this agreement.				
Accept Don't Accept				

**Figure 3: Installing required components** 

Once you accept the terms of the end user licence agreement, the required files will be automatically downloaded (Figure 4).

🐞 AGRIGRI	D		×
۵ 🚺	ownloading required files		
Downloadin	ig file 1 of 1		
		Cancel	

Figure 4: Downloading required components

If you do not have an internet connection you will need to download and install the *Microsoft*.*NET Framework Version 2.0 Redistributable Package* by some other means.

#### 2.2.5 AGRIGRID Setup Wizard

Once all of the prerequisite components have been installed (this can take several minutes to complete depending on internet connection speed), you will be prompted with the AGRIGRID setup wizard (Figure 5).

AGRIGRID	🙀 AGRIGRID	- 🗆 🗡	🖗 AGRIGRID
Welcome to the AGRIGRID Setup Wizard	Select Installation Folder	<b>}</b> .	Installing AGRIGRID
The installer will guide you through the steps required to install AGRIGRID on your computer.	The installer will install AGRIGRID to the following folder. To install in this folder, click "Next". To install to a different folder, enter it below or click "Brc	wse".	AGRIGRID is being installed.
	Eokler: C.YPogran Files/AGRIGRID/ Disk Cos		Please wait
WARNING. This compare organs is protected by copylight law and intervalional tradition. Unantholicited devices of the strategies of the strategies of the strategies of the server exit or criminal penalties, and will be proceeded to the maximum extert possible under the law.	Install AGRIGRID for yourself, or for anyone who uses this computer: C Everyone C Just me		
Cancel <book next=""></book>	Cancel < <u>B</u> ack <u>N</u> er	xt >	Cancel Cancel Mest>

Figure 5: Running the setup wizard

Follow the on-screen prompts to complete the installation.

When prompted for the installation directory the wizard will suggesting the following default<sup>2</sup>:

C:\Program Files\AGRIGRID\

You have the choice of keeping this default or changing it to some other location.

The installation directory will contain the following sub-directories:

\Documentation\	PDF documentation describing the software and giving examples
\System\	Software system files such as executables
\Libraries\	Input data files such as baselines and differentiation
\Grids\	Output files from the software are called grid files and are stored in this directory

You are not tied in to using these folders to store your data files but these will be the default folders that the software will start in when opening or saving data files for the first time.

The setup process will provide you with start menu options for viewing documentation and running the software. For convenience, a shortcut to the software will also be placed on the desktop.

<sup>&</sup>lt;sup>2</sup> This path may vary from PC to PC – the installation program should detect the correct location for programs

## **3** Operating Instructions

### 3.1 Getting Started

#### 3.1.1 Running the Software

To start the AGRIGRID software, click the shortcut on your desktop or within the AGRIGRID program group accessed via the start menu.

When the software starts up, the welcome screen (Figure 6) will be displayed while the software loads and configures various settings.



Figure 6: Welcome screen

After a few seconds the main AGRIGRID window will be displayed (Figure 7).

AGRIGRID						
AGRIGRID is a software tool for developing methodological grids for the calculation of payments in rural development measures in EU member states.						
www.macaulay.ac.uk/agrigrid						
New Open A	bout Library					

Figure 7: Starting-up

This window is fairly simple - it allows you to create or open a grid (page 11), display the *About* window and edit manage the data libraries.

#### 3.1.2 Data Libraries

Before you can begin creating grids you need to create a data library - a repository for the data you will share between grids (saving you time and effort by avoiding the need to repeatedly enter the same data).

Part of the process of developing a grid involves the repetitive usage of input data such as baseline, differentiation and cost components. In order to facilitate the re-use of these inputs and to reduce the data entry load for the user the software provides a library for storing this information and allows you to easily call upon the information when it is needed.

You can edit library files and share them with other users. The software allows you to keep multiple libraries and provides the potential for downloading new libraries if they became available. For instance, it might be desirable to keep separate libraries for each country and you could switch between these libraries to suit the grid in question.

When input data from a library is used by AGRIGRID, it creates a copy of the data so that the grid file can operate independently of the libraries used to create it.

You can edit the data libraries at any time by clicking the *Library* button on the start-up window. This action displays the window shown in Figure 8.

AGRIGRID - Library		_ 🗆 🗙	
Libr	Config		
Edit Data Library			
RD Commitments	Edit	Practice Appro	bach
Baseline Regulations	Edit	Revenues	Edit
Differentiation	Edit	R	
Sub-mask Formulas	Edit	Practices/Costs	Edit
< Back			

**Figure 8: Data libraries** 

The window contains shortcuts to all of the editable input data libraries used by AGRIGRID.

Clicking the *Config* button displays the library management window shown in Figure 9. This window allows you to perform operations such as creating a new library, switching to another library or saving the library with a new name.

🚟 AGRIGRID - Libi	rary Management		
Current Library File			
C:\Documents and S Solution\AGRIGRID\	ettings\kb5039\Desktop\AGRIGRID Software Dev\AGRIGRID		Switch
Solution warmanner	bin to edug teloranes t		New
			Save As
	Note: changes to the items stored in the library will be automatically saved to this local	tion	
< Back			



#### 3.1.3 Overview of the Grid Configuration Process

There are several steps to creating a grid and calculating a payment. The software tool builds on the step-by-step approach used to develop the methodological grids (Figure 1). Figure 10 expands upon this step-by-step procedure by showing the interaction of the key windows within the software.



Figure 10: Grid configuration process

The user begins by specifying the measure and the data entry approach (i.e. *balance sheet* or *practices*) (step 1). Next, they are presented with the main grid window from which they can:

- Specify the general grid settings (pages 12 & 13)
- ✤ Configure the payment calculation(s) for the grid
- ✤ View the summary and detailed outputs (page 32)

The configuration of a payment calculation is broken down into six further steps:

- 2. Creation of linkages (i.e. relationship) between baseline, RD commitment, costs & revenues (page 14)
- 3. Specification of how the payment is to be differentiated (page 25)
- 4. Population of the cost, revenue and income figures as specified in the previous steps (page 28)
- 5. Specification of transaction costs (page 32)
- 6. Specification of how the RDR limits are to be differentiated (page 33)
- 7. Specification of RDR limits (page 34)

#### 3.1.4 Creating a Grid

When creating a grid, the *new grid* window (Figure 11) is displayed. Here, the user chooses the measure and the data-entry approach. This is the only chance to set these – they cannot be changed later.

AGRIGRID - New Grid				
Rural Development Measure	131 - Meeting standards	<b>_</b>		
Data Entry Approach	BalanceSheet			
		Cancel Create		

Figure 11: Creating a new grid

The software is pre-configured with the following set of RD measures:

- ✤ 131 Meeting Standards
- ✤ 211 Natural handicap payments in mountain areas
- ✤ 212 Natural handicap payments in other than mountain areas
- 213 Natura 2000 payments on agricultural land
- ✤ 214 Agri-environment payments
- ✤ 215 Animal welfare payments
- ✤ 221 First afforestation of agriculture land
- ✤ 222 First afforestation of agroforestry systems
- ✤ 223 First afforestation of non-agricultural land
- ✤ 224 Natura 2000 payments on forestry land

✤ 225 - Forest-environment payments

The software allows the user to define grids for these RD measures with an option to define the grid at the submeasure level if this is more appropriate (page 12). The software does not provide a list of predefined submeasures due to the variability between countries.

You must also consider which approach to take for the entry of cost and revenue components - there are two options. The first is to provide costs and revenues using a *balance sheet approach* (i.e. following the FADN format). The second is to provide the information in the form of a *practices approach*. The approaches cannot be mixed or changed so the most appropriate approach must be selected upon this window before proceeding. See *Data-entry Approaches* on page 14 for more details.

#### 3.1.5 Main Grid Window

The *main grid* window (Figure 12) is displayed when you create a new grid or open an existing grid. Here you should provide (where applicable) a short description of the sub-measure, the country and region (e.g. NUTS<sup>3</sup> 1 or 2).

AGRIGRID - Grid						
RD Measure	131 Meeting standards					
Sub-measure	Unset					
Country	Scotland	Region None				
General Settings	Edit					
Calculation	Edit					
Outputs	View	Save	e As			

Figure 12: Main Grid window

On this window you can also:

- Edit further general grid settings
- Edit the calculation
- View the outputs
- ✤ Save the grid

When preparing a grid, the software will usually record all costs and revenues within a single payment calculation. For some measures there are separate payments made, so the software requires the user to prepare more than one calculation. For example, in the afforestation measures payments are made for:

- Establishment Costs
- Maintenance Costs
- Income Foregone

The software has been pre-configured with this information so that, when these measures are selected, the software will prompt the user to define all of the necessary calculations.

**Tip:** If you wish to prepare a grid that is similar to another then, to save time, open the original grid file, make the modifications and use the 'Save As' button to save the grid under a new filename.

<sup>&</sup>lt;sup>3</sup> Nomenclature of Territorial Units for Statistics

#### 3.1.6 Editing General Grid Settings

The general grid settings window is shown in Figure 13. It allows you to customise some additional generic attributes for the grid.

AGRIGRID - General	Grid Settings		×
Data Entry Approach	BalanceSheet	Main Calculation Unit 📗	a 🔽
Calculation Currency	GBP	Exchange Rate (to Euro)	1.24550
Description of this Grid	1		
This grid has been pr	epared as an example for the use	er manual.	
1			<u></u>
			Ok

**Figure 13: General Grid Settings** 

Some member states are not currently part of the single European currency and as such the calculation of the grids will be done in the local currency (e.g. GBP or CZK). In order to deal with this, the AGRIGRID software requires member states to specify the following information:

- Calculation Currency
- Exchange rate to Euro

In addition to the Euro the software has been pre-configured with the following currencies:

- Bulgaria lev (BGN)
- Czech Republic koruna (CZK)
- ✤ Denmark krone (DKK)
- Estonia kroon (EEK)
- ✤ Great Britain pound sterling (GBP)
- Hungary forint (HUF)

- ✤ Latvia lats (LVL)
- ✤ Lithuania litas (LTL)
- Poland złoty (PLN)
- Romania leu (RON)
- Slovakia koruna (SKK)
- Sweden krona (SEK)

The calculation (up to and including the inclusion of transaction costs) is performed in the *Calculation Currency*. If *Calculation Currency* is not EUR then the software will use the exchange rate to convert back to Euro before applying the RDR limits which are always specified in Euro. The final payment information is always displayed in Euro.

The *Main Calculation Unit* attribute allows you to specify the main unit for the calculation. The software provides the following options:

- ✤ Ha
- Livestock Unit
- ✤ Holding

### 3.2 Linkages

#### 3.2.1 Data-entry Approaches

There are two data-entry options for providing costs and revenues:

- ✤ Balance sheet approach
- Practices approach

The two approaches cannot be mixed (or changed later in the process) so you must decide which approach to use and select it upon the *new grid* window (page 11).

#### 3.2.2 Balance Sheet Approach

The Farm Accountancy Data Network (FADN)<sup>4</sup> consists of a harmonised annual survey of agricultural holdings carried out by the Member States of the European Union. The *balance sheet approach* provided by the AGRIGRID software uses the coding system used within the FADN database to organise the costs and revenues (e.g. the code SE350 refers to "contract work") but does not necessarily expect the user to use the data contained in the FADN database. The hierarchical FADN structure is fixed (i.e. not editable). The example in Figure 14 shows the revenue items contained within the hierarchy.



Figure 14: Balance Sheet Approach: Revenue list

<sup>&</sup>lt;sup>4</sup> Farm Accountancy Data Network - the European farming classification system (http://ec.europa.eu/agriculture/rica/index\_en.cfm)

The hierarchical representation is intended to help the user understand how the different cost and revenue items are related. Items in the hierarchy are the made up from their sub-elements so, for example, *SE135 Total output crops and crop production* is equal to the sum of *SE140*, *SE145*, *SE146* etc.

A benefit of having this nested structure is that there is the option of providing values at higher or lower levels of detail depending on the availability of data. If you specify values at a lower level, then the software will automatically calculate the higher level values.

Tip: use the tick boxes for selecting. For editing items in the lists, ensure you highlight the entry.

#### 3.2.3 Practices Approach

The *balance sheet approach*, discussed above, considers costs and revenues at a whole farm level. This might not be appropriate in all circumstances so the software provides an alternative *practices approach* so that the user can group costs within *practices* (e.g. mowing, fertilisation etc). Figure 15 shows the practices list with the practices *Care of under tree area* and *Forest beating up* selected. Each of these is made up of several costs (shown in red) such as *Seedlings for forestry*, *Contract work* and *Rents*.



Figure 15: Practices approach: Practice list

An additional benefit of having this nested structure for practices is that there is the option of providing values at the practice level or at the cost level depending on the availability of data. If you specify values for the costs, then the software will automatically calculate the values for the practice.

The software maintains two lists for the practices approach:

- revenues/incomes
- practices (including nested costs)

The components within these lists are editable and practices are classified in order to make it easier to retrieve the data.

#### 3.2.4 Creating a Linkage

The AGRIGRID software defines a linkage as the combination of an RD commitment, a baseline, a set of revenues and a set of costs (optionally nested within practices *- practices approach* only). The window shown in Figure 16 is used to configure the linkages for a payment calculation.

Linkages for Payment Calculation					
RD Commitment	Baseline	Revenues	Costs	New	
To impose new obligation to farming practice	Unset	SE140 Cereals, SE145 Protein crops,	SE350 Contract work, SE345 Energy, SE295 Fertilisers, SE340 Machinery and building current costs, SE285 Seeds and plants, SE290 Seeds and plants (home grown),	Edit Delete	
< Back Next > Save	Save As				

Figure 16: Linkage window with second linkage selected

The linkages are summarised in the window. The idea is that arranging the data in this logical manner will help you to identify the costs and revenues that should be included in the grid.

If you click the *New* button, the software will create a new linkage. If you select one of the linkages and click *Edit*, the software will allow you to edit the selected linkage. The *Delete* button lets you delete the selected linkage.

**Tip:** You can adjust the column widths by dragging the dividers between each column header.

An entry from the *linkage* table is shown in Figure 17.

AGRIGRID - Linka	nge	×
RD Commitment	To impose new obligation to farming practice	Set
	<b></b>	
Baseline	Unset 📃	Set
	<b></b>	
Revenues		New
		Delete
Costs	Prohibition / limitation of using fertilizers	New
		Delete
	<b>•</b>	
Notes		
	-	
		ОК

Figure 17: Creating a new Linkage

There are two mandatory steps to configuring a linkage:

- Specify the RD Commitment
- Specify the baseline

Then, depending on the approach being followed, you must enter revenue and cost information as described in the following sections:

- Specify revenue, income and cost components *balance sheet approach*
- Specify revenue and income components and practices practices approach

As noted earlier (Data-entry Approaches on page 14), the *practices approach* requires you to define costs within practices.

#### 3.2.5 Specifying the RD Commitments

You can specify the RD commitment by clicking the *set* button next to the *RD commitment* attribute in Figure 17. This displays the RD Commitment window shown in Figure 18. If the desired entry is not in the list, then the user can use the *New* button to create a new entry in the library.



Figure 18: Editing and selecting Rural Development Commitments

The RD Commitments are tied into each RD Measure so the software will maintain separate lists for each measure – and therefore only display those commitments that apply to the measure in question.

#### 3.2.6 Specifying a Baseline

To configure a baseline within the software, click the *set* button situated next to the *baseline* attribute (Figure 17). This launches the window shown in Figure 19.

AGRIGRID - B	aseline	×
Title Type	Prohibition of use of some pesticides Regulatory	
Notes	This space can be used for notes.	
Regulations associated with this Baseline	Additional : Minimum requirements for the use of fertilizers	Delete
		Ok

Figure 19: Window for setting a baseline

The purpose of this window is to help us identify the baseline (or reference level). The software represents two types of baseline: common practice and a baseline based upon one or more regulations. For the regulatory baselines, there are three types:

- Statutory Management Requirements (SMR)
- Good Agricultural and Environmental Conditions (GAEC)
- ✤ Additional (Regional) Baseline

You can specify a title and select the type of baseline (i.e. common practice or regulatory). If it is a regulatory baseline, then you should also select the regulations that apply by clicking New – this displays the list of regulations (Figure 20).

If necessary you can supersede regulatory baselines with more restrictive common practices – this is easily achieved by selecting the regulations that apply, setting the *type* attribute to 'Common' and using the *notes* attribute to explain how the regulations are being exceeded. In a similar fashion, the *notes* attribute could also be used to indicate when only part of a regulation applies.

AGRIGRID - Regulation List	
<ul> <li>SMR : Community measures for the control of certain animal diseases and specific</li> <li>SMR : Community measures for the control of foot-and-mouth disease</li> <li>SMR : Conservation of natural habitats and of wild flora and fauna</li> <li>SMR : Conservation of wild birds</li> <li>SMR : Detailed rules for the implementation of Council Regulation (EC) No 820/97</li> <li>SMR : Detailed rules for the identification and registration of bovine animal</li> <li>SMR : General principles and requirements of food law, establishing the Europear</li> <li>SMR : Identification and registration of animals</li> <li>SMR : Identification and registration of animals</li> <li>SMR : Minimum standards for the protection of calves</li> <li>SMR : Placing of plant protection products on the market</li> <li>SMR : Prohibition on the use in stockfarming of certain substances having a horm</li> <li>SMR : Protection of groundwater against pollution caused by certain dangerous s</li> <li>SMR : Protection of the environment, and in particular of the soil, when sewage sl</li> <li>SMR : Rules for the prevention, control and eradication of bluetongue</li> <li>SMR : Specific provisions for the control and eradication of bluetongue</li> <li>GAEC : Arable stubbles management</li> <li>GAEC : Maintenance of olive groves in good vegetative conditions</li> <li>GAEC : Minimum livestock stocking rates or/and appropriate regimes</li> </ul>	New + _ Edit Library Delete To create a new item use the new button. To edit or delete an item you should select the item and then click edit or delete. Red items cannot be edited.
GAEC : Minimum soil cover GAEC : Protection of permanent pastures GAEC : Retain terraces GAEC : Retain terraces GAEC : Retention of landscape features, including the prohibition of the grubbing	To make a selection you should check one or more boxes and click ok Ok Cancel

Figure 20: Baseline regulations

If the relevant regulations are not in the library, you can create or edit an entry (see Editing Regulations on page 21), or use the Library button to open a different library in order to locate the regulation.

When the user clicks the *ok* button, software will record the changes and return to the linkage window.

**Tip:** use the tick boxes for selecting. For editing items in the lists ensure you highlight the entry.

#### 3.2.7 Editing Regulations

The *regulations* window is shown in Figure 21.



Figure 21: Regulation window

It is fairly simple and allows you to provide a type categorisation for the regulation, a short title and a larger section that can be used to describe the regulation in more detail.

A sample set of SMR, GAEC and additional regulations will be provided in the supplied regulation library; however you can supplement the library with the regulations that apply in your country/region.

#### 3.2.8 Specifying Revenues and Costs

The user specifies a new cost or revenue by clicking the *new* button next to the *cost* or *revenue* box shown in Figure 17. Figure 22 shows the windows for selecting a revenue component using the *balance sheet approach*.



Figure 22: Selecting Revenues for Balance Sheet Approach

To help with navigation you can use the + and – buttons to explode and contract the hierarchy.

With the *balance sheet approach* the software will allow you to specify the same costs and revenues within different linkages; however they will only be included once in the final calculation.

For the practices approach the procedure for adding practices is similar. Figure 17 shows an example of adding a practice.

**Tip:** use the tick boxes for selecting. For editing items in the lists ensure you highlight the entry.



Figure 23: Selecting Practices/Costs for Practices Approach

When following the *practices approach*, the *practices* are nested within their classifications to help you to find the component you are searching for.

Select the practice that you require and click Ok to include it in the linkage. If the desired entry is not provided in the list, then you can use the *new*, *edit* and *delete* controls to modify the contents of the pick-list – for example Figure 24 shows the editor for a practice (practices approach).

AGRIGRID - Pra	ctice	×
Title	Forest beating up	1
Classification	<ul> <li>ForestEstablishment</li> <li>✓ ForestMaintainanceManagement</li> <li>Class_3</li> <li>Class_4</li> <li>Class_5</li> <li>Class_6</li> <li>Class_7</li> <li>Class_8</li> <li>Class_9</li> <li>Class_10</li> </ul>	
Costs	Seeds and seedlings purchased and produced Wages for permanent and seasonal work Payments for external services	
	Cancel OK	

Figure 24: Editing a practice (practices approach only)

When following the practices approach, you can select revenues or incomes depending on which is most appropriate (Figure 25).



Figure 25: Practices approach - revenues and incomes

### **3.3 Differentiation (of costs and revenues)**

Differentiation is the criterion under which an RD payment is distinguished. By specifying differentiation categories within the software, you can create a series of alternative scenarios for a payment calculation. A differentiation category such as *type of trees* is defined to contain a series of differentiation elements such as *conifer* or *native woodland*. The software provides a mechanism for differentiating payment based on the specification of one or more of these categories and elements.

Note: Differentiation elements must not be confused with the different cost/revenue components used in the calculation of an individual payment. For example, if a RDP states that a payment is different for cereals and industrial crops, then these two types of crop are differentiation elements; however if cereals and industrial crops are characterised by the same payment but the calculation refers to both crops (e.g. calculating the average value of cost/revenue), then the two types of crop cannot be considered as differentiation elements. Also, eligibility criteria (e.g. minimum area under contract, or payments granted only for NVZs) cannot be considered as differentiation elements.

If the payment calculation is to be differentiated, then the first step that you need to take is to click the *Edit* button labelled *Differentiation of Payment Calculation* upon the *Payment Calculation* window (see Creating a Linkage on page 16). This displays the differentiation window shown in Figure 26.



**Figure 26: Differentiation** 

The top of the window shows the list of differentiation categories that are included in this grid. When a selection is made here, the bottom part of the window shows the elements that are contained within the selected differentiation category. Ticks indicate that an element is in use – clicking a differentiation element toggles the tick on and off.

Switching off unnecessary elements is useful especially when there are a large number of categories and elements being considered. The elements in each of the differentiation categories act as multipliers so that 3 categories that each contains 6 elements give 6x6x6 = 216 different possibilities! For this purpose the software gives an indication of the number of combinations that will be created.

Add new categories to the grid using the New button – this displays the window shown in Figure 27.



**Figure 27: Selecting differentiation categories** 

**Note:** Once a category has been imported it cannot be altered and subsequent changes to the library will not appear in the imported categories. This is because the grid makes a copy of the differentiation category when it is added since it needs to maintain the referential integrity in the absence of the original library file.

You should ensure that the differentiations have been set correctly before proceeding to enter values for differentiated costs and revenues (see Specifying Values for Costs & Revenues on page 28), since subsequent changes may lead to the loss of some values. The user will be warned about this when making changes to the differentiations in order to avoid accidental deletion of data.

Tip: to edit a differentiation category highlight the category (black text) and click edit.

#### 3.3.1 Editing the Library of Differentiation Categories and Elements

The software has been pre-configured with differentiation categories and elements but you can edit these or create your own. Figure 28 shows the window for editing a differentiation category.

AGRIGRID - D	ifferentiation Category		×
Category	TypeOfAnimals		•
Sub-category	Cattle		
Description	Unset		
Differentiation Elements	Calves for fattening (meat) Other cattle < 12 months Male cattle 12 - 24 months Female cattle 12 - 24 months Breeding heifers Heifers for fattening (meat) Dairy cows Other cows Breed Burlina Dying breeds		New Edit Delete
		-	
		Cancel	Ok

Figure 28: Differentiation category

### 3.4 Specifying Values for Costs & Revenues

Once the grid calculation(s) have been configured the user is ready to begin entering values for each of the cost and revenue components.

When you click *Next* on the *Payment Calculation* window you will proceed to the *Populate Grid* window shown in Figure 29.

Populate Grid for Payment Calculation								<u>- 0 ×</u>
Cost & Revenue Components Enable Children		Differentiations for	the selecte	d Cost/Revenu	ue Componen	it		
⊟ AGRI01 Net income for justification	LandCharacteristics: Altitude	LandCharacteristics: Slope	Baseline	Commitment	Difference	Details	Сору	Paste
È- SE415 Farm net value added	Mountain	1° range of slope	0	0	0	Details	Сору	Paste
i⊟- SE410 Gross farm income i⊡- SE131 Total output	Mountain	2° range of slope	0	0	0	Details	Сору	Paste
⊟- SE135 Total output crops ar	Hill	1° range of slope	0	0	0	Details	Сору	Paste
SE140 Cereals	Hill	2° range of slope	0	0	0	Details	Сору	Paste
SE145 Protein crops SE146 Energy crops	Plain	1° range of slope	0	0	0	Details	Сору	Paste
⊡- SE270 Total inputs	Plain	2° range of slope	0	0	0	Details	Сору	Paste
SE340 Machinery and b SE345 Energy SE350 Contract work								
< Back Next > Save As				Differe	entiation of Pa	ayment Ca	lculation	Edit
								.:

Figure 29: Entering values for each differentiation

On the left, the window shows the list of costs and revenues that you configured in the linkage table. Selecting one of these costs or revenues (shown in blue) displays the data values grid on the right. If you have configured the linkage table with components from multiple levels in the hierarchy, then you will be given the option on specifying the values at one level or the other. If you elect to specify values at a lower level, then the software will automatically aggregate the values up at the higher level. If you elect to specify values at a higher level, then the software will disable all lower level components since they are no longer needed. If you change your mind and wish to specify values at a lower level again, however, simply select the node in the hierarchy and click *Enable Children*.

The data grid shows a row for each of the differentiation combinations based on your configurations in the payment calculation differentiation editor (see Differentiation (of costs and revenues) on page 25).

Each row contains a description of each of the differentiations that it applies to, a value for baseline, commitment and the difference between the two. Finally there are three buttons. The details button allows you to specify detailed information for this data row. The copy and paste buttons allow you to copy one set of data (including underlying sub-mask formulas and comments) and paste it into another row – useful if some differentiations share the same data values.

Hovering over some cells displays supplementary information such as a summary of an underlying sub-mask.

The user has three data-entry options:

- Specify a baseline and RD commitment and leave the software to calculate the difference (i.e. the additional commitment)
- Specify the difference directly (first need to click *Details* and change the mode)
- Click Details to open the more detailed *component* editor (Figure 30).

**Note:** rather than just specifying values directly into the data grid, it is recommended that the detailed component editor should be used to enter data since this allows you to specify lower levels of detail and the data source.

AGRIGRID - Co	mponent	×							
Payment Calculation	Establishment Costs								
Component	Forest site preparation								
Differentiation	Populus sp., Productive (traditional),								
Notes and comments									
	Value Data Source	Sub-mask							
Baseline	0.00	Edit Clear							
RD Commitmer	nt 190.00 📑	Edit Clear							
Additional Com	mitment								
	Specify Additional Commitment directly	Ok							

Figure 30: Cost component window

This window shows the payment calculation, component and differentiation that are being considered.

You can provide detailed notes or comments. You then have the choice of specifying the values for baseline and RD commitment directly or by specifying a sub-mask.

The additional commitment will be automatically calculated by the software. However, if no baseline and RD commitment is available, the user will be able to specify the value directly by switching on the *Specify Additional Commitment directly* option.

It is advised that you should always record the data source.

Rather than just specifying a value directly, it is often more appropriate to specify a lower level of detail in the form of a formula. To do this you need to create a sub-mask by clicking the corresponding *Edit* button. The *Clear* button removes the sub-mask and reverts to specifying the value directly. When a sub-mask is configured, these buttons will appear in light yellow.

#### 3.4.1 Data Entry Using Sub-masks

The sub-mask window (Figure 31) provides you with space to provide a title for the calculation and to provide the formula and details of the elements that make up the formula. The software will calculate the result, display it at the bottom and return this to the component window.

	IGRID	) - Sub Mask						<u>- 0 ×</u>
Title	Aver	Average felling increment (Eur/ha and year)						
	Su	b-mask library Save to Libr	ary					
		Title	Data Source	Unit	Value	Sub-mask	Sub-mask	Add
	а	Revenue in the year of felling		Eur/ha	50	Edit	Clear	Dalata
	Ь	Exploitation costs in the year of felling		Eur/ha	30	Edit	Clear	Delete
•	с	Rotation period		Year	20	Edit	Clear	Up
								Down
Formula		*b)/c						Calculate
=	: [(50	* 30) / 20						
=	- 75							Ok
Tip: You can use upper or lower case letters - both are acceptable and interchangeable (i.e. $A = a$ )						.::		

#### Figure 31: Sub-mask window

Add and remove formula elements using the Add and Delete buttons. Once you have specified values for all of the elements and prepared the formula, clicking *Calculate* invokes the software to express the formula as values and then as a final result. If there are any problems with the formula syntax, then the software will attempt to give appropriate details so that you can correct the error.

**Tip:** You can copy the contents of a title, data source or unit cell by selecting the cell and then right click and pick copy. To paste the copied text into one or more cells, make your selection then right click and select paste.

The real power of the sub-mask editor is its recursive capabilities. This means that an element in one formula can be derived from another sub-mask and inside the new sub-mask another element could be derived from a further sub-mask. Theoretically there is no limit to the number of nested sub-masks that are allowed, although it will become difficult to manage.

If the user opts to use a sub-mask (SM2) to calculate a value in a sub-mask (SM1), then the software would automatically calculate the result of SM2 and display it for the relevant value in SM1. Light yellow buttons indicate the use of a sub-mask to calculate a value.

**Tip:** You can reorder elements of the sub-mask by selecting a row (click the tab to the left of the row) and clicking the Up and Down buttons.

Another example of where the sub-mask can be useful is when a value is calculated based on a multiple-year average. Here the user could build a formula to calculate the mean value from many yearly separate figures. By doing it in a sub-mask, the workings are recorded as part of the grid file for later reference.

Formulas can be saved to the library for re-use later. When the user creates a new formula it can be added to the library using the *Save to Library* button. The *Sub-mask library* button allows the user to browse previously defined formulas and select one for use.

#### 3.4.2 Representation of Revenues and Costs

When configuring a grid it is useful to understand how the software deals with revenues and costs. You enter costs and revenues as absolute/positive values but the software deals with them differently as denoted by the formulas:

- income loss = baseline income commitment income
- $\diamond$  additional cost = commitment cost baseline cost

The following three scenarios illustrate how this will work in practice.

Scenario 1: This is the most frequent situation. The observance of the additional commitments generates a decrease of farm income (reduced from  $\notin$  100 to  $\notin$  80) and an increase of production costs (from  $\notin$  50 to  $\notin$  75). So, the calculation of the RD payment (additional costs + income loss) is represented by two positive figures ( $\notin$  20 and  $\notin$  25).

	Baseline	Commitment		
Revenue	€ 100	€ 80	Income Loss (baseline - commitment)	€ 20
	-	-		+
Costs	€ 50	€ 75	Additional Cost (commitment - baseline)	€ 25
	=	II		Ш
Gross Income	50	5	Payment	€ 45
	<b>F</b> ! 0			

Figure 32: Representing Revenue and Cost Values - Scenario 1

Scenario 2: Here the observance of the additional commitments means an increase in farm income (from  $\notin$  100 to  $\notin$  110) resulting in a negative income loss of -  $\notin$  10.

Baseline	Commitment		
€ 100	€ 110	Income Loss (baseline - commitment)	- € 10
-	-		+
€ 50	€ 75	Additional Cost (commitment - baseline)	€ 25
=	П		=
50	35	Payment	€ 15
	€ 100 - € 50 =	$\begin{array}{c c} \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	€ 100 $€ 110$ Income Loss (baseline - commitment) $  € 50$ $€ 75$ $=$ $=$ $=$ $=$

Figure 33: Representing Revenue and Cost Values - Scenario 2

Scenario 3: In this situation the observance of the additional commitments produces a decrease of the costs (from  $\in$  50 to  $\in$  30) resulting in a negative additional cost of -  $\in$  20.

	Baseline	Commitment		
Revenue	€ 100	€ 50	Income Loss (baseline - commitment)	€ 50
	-	=		+
Costs	€ 50	€ 30	Additional Cost (commitment - baseline)	- € 20
	=			=
Gross Income	50	20	Payment	€ 30

Figure 34: Representing Revenue and Cost Values - Scenario 3

#### **3.5** Transaction Costs

When you click *Next* on the *Populate Grid* window you will proceed to the *Transaction Costs* window shown in Figure 35.

Transaction Costs for Payment Calculation	_ 🗆 ×
Mode Percent	
Transaction Costs for this payment calculation	
Test = 10%	New Edit Delete
< Back Next > Save Save As	

**Figure 35: Transaction Costs** 

This window lists the transaction costs that have been configured for the grid. There are two modes: percent and fixed value – only one type is allowed per grid, the two cannot be mixed. The New, Edit and Delete buttons allow you to edit the transaction costs list. Figure 36 shows the editor for transaction costs.

AGRIGRID -	Transaction (	Tost				×
Title	Test Transactio	on Cost				
% amount (ol	f gross income)	5.00	÷	Sub-mas	k Edit	Clear
Notes						
					Cancel	ОК

Figure 36: Transaction costs editor

Transaction costs as a percentage of gross income are limited to a maximum 20% (in total) and the software will not allow the user to exceed this. It is not possible to restrict the fixed amount transaction cost at this stage, since we do not yet know how much the gross income will b. Howeve, the final calculation will enforce a maximum of 20% for the total of all transaction costs.

## 3.6 Differentiation (of RDR Payment Limits)

Just as you differentiated the main payment calculation, you can also differentiate the RDR limits (Figure 37).



Figure 37: Setting the differentiation for RD Limits

In this example, nothing has been selected so RDR limits will not be differentiated.

## 3.7 RDR Payment Limits

When you click *Next* on the *Transaction Costs* window, you will proceed to the *RDR Payment Limits* window shown in Figure 38.

RDR Limits for Paym	ent Calculatio	n			<u>_0×</u>
Land_Characteristics: Land use - Agricultural areas (CORINE)	Other: Year of commitment	RDR Rate	RDR Minimum	RDR Maximum	
N/A	N/A	0.8	0	100	
Notes				(maxir	num and minimum always specified in EUR)
< Back Next >	Save	Save As			Differentiation of RDR Limits Edit

Figure 38: RDR Payment Limits editor

RDR payment limits allow you to set a rate, minimum and maximum value for the payments. The software also allows you to differentiate the limits.

The example shows five differentiations for the RDR limits. You can specify the values for rate, minimum and maximum directly.

Although it is unlikely that all three RDR limits will be applied simultaneously, for technical purposes the following precedence is applied within the software: RDR Rate (applied first), RDR Minimum and RDR Maximum (applied last).

## 3.8 Grid Outputs

#### 3.8.1 Viewing Grid Outputs

Once the grid has been configured the user can proceed to the outputs window shown in Figure 39.

Show general grid information						
Baseline	RD Measure: 214 - Agri-environment payments					
BD commitment	Sub-measure: Organic farming					
Cost/revenue/income values	Country: Germany					
Cost/revenue/income notes	Region: North-Rhine Westphalia					
Cost/revenue/income data sources	Currency: EUR					
Unused cost/revenue/income components	Description: None					
Sub-mask details						
Differentiation description	Differentiation Categories:					
Transaction cost notes RDR limit notes	Land_Characteristics: Land use - Agricultural areas (CORINE)	Arable land	Vegetable production	Fruit production	Greenhouse vegetable production	
lect differentiations to display	Other: Year of commitment	1° + 2°	1° + 2°	1° + 2°	1* + 2*	
- Arable land						
- 1* + 2*						
3* - 5*	Payment Calculation	Additional	Additional	Additional	Additional	
6°+						
Vegetable production 1* + 2*	INCOME FOREGONE (EUR)					
	SE131 Total output	232.5	400	1500	113	
	SE135 Total output crops and crop production	232.5	400	1500	113	
- Fruit production						
1* + 2* 3* - 5*	Total for Income Foregone (EUR)	232.5	400	1500	113	
- Greenhouse vegetable production	ADDITIONAL COSTS (EUR)					
1* + 2*	SE270 Total inputs	-68	-106	-843	-58	
	SE281 Total specific cost	-119	-156	-933	-58	
⊶ Б'+ - Grassland	SE285 Seeds and plants	47	0	0	0	
- 1* + 2*	SE295 Fertilisers	-81	-120	-100	25	
3* - 5*	SE300 Crop protection	-137	-120	-200	-45	
6*+	P P					

Figure 39: Grid outputs window showing single calculation (balance sheet approach)

On the left of the window is a tree structure showing all of the valid combinations of differentiation elements. Selecting a 'leaf node' (i.e. an element at the end of the hierarchy) and clicking the *Show* button displays the calculation for that differentiation on the right of the window in a spreadsheet style format. You can display as many calculations as you like.

If you find that a differentiation combination does not appear here, then it could be because of a conflict between the payment calculation differentiation and the RDR limit differentiation – see table below for some examples.

Payment	RDR Limit		
differentiation	differentiation	Available on output	Notes
Cat 1: elements a, b, d	Cat 1: not used	Cat 1: elements a, b, d	Elements a, b and d are available
			since the RDR limit ignores
			category 1
Cat 1: not used	Cat 1: elements a, b, d	Cat 1: elements a, b, d	Elements a, b and d are available
			since the payment calculation
			ignores category 1
Cat 1: elements a, b, d	Cat 1: elements a, b	Cat 1: elements a, b	Element d is not available - RDR
			limit uses this differentiation but has
			not provided figures for element d –
			to resolve, add element d to the RDR
			limit differentiation
Cat 1: elements a, b	Cat 1: elements a, b, d	Cat 1: elements a, b	Element d is not available - the
			payment calculation uses this
			differentiation but has not provided
			figures for element d – to resolve,
			add element d to the payment
			calculation differentiation

Use the options at the top left of the grid output window to change the items and level of detail that is displayed.

Hovering over some data cells will show supplementary information in some cases.

The data on the right can be selected, copied (Ctrl-C) and pasted into MS Excel and Word for reporting or further analysis (Figure 40).

Microsoft Excel - Book1				
File Edit View Insert Format Tools Data	Window Help	Adobe PDF 💶 🗗 🗙	📴 Document1 - Microsoft Word	-02
Δ 🚔 🔛 📆 🚿 Σ + 2↓ 🛍 Σ 100% -		/ with <u>C</u> hanges ♥	Elle Edit View Insert Format Tools Table Window Help Adobe PDF Acrobat Comments	>
			🗋 🗁 🔐 🔁 🎒 🐧 🖤 🐰 🗈 🏝 🝼 🖙 + 🖙 🛞 🕎 🗔 📰 🛷 🐼 M 72%	- 🛛 🗸
B % *.88 ÷.98 ⊡ ▼ 🅭 ▼ 🚣 ▼	🍟 🕨 🖕 Securi	ity   🟝 🛠 🔛   🚧 🗸	🛃 Normal 🔹 Times New Roman 🔹 10 🔹 🖪 🖌 🕎 📰 🗮 🗮 🗮 🗮 🗮 🗮 🗮 🗛 • 3	» 1 Man - 1
A5 🕶 fx				
A	B	C D 🔺		
1 Payment Calculation	Baseline Com	mitment Additional	L 2 · · · 1 · · · · · · · · · · · · · · ·	8111
2 3 INCOME FOREGONE (EUR)				
4 Interest income	169.83	0 169.83	Payment Calculation Baseline Commitment Additional	
5	103.03	0 105.00		- 88
6 Total for Income Foregone (EUR)	•	169.83	INCOME FOREGONE (EUR) Interest income 169.83 0 169.83	- 88
7			109.85 0 109.85	- 88
8 ADDITIONAL COSTS (EUR)			Total for Income Foregone (FIIR) 169.83	- 88
Prohibition / temporal restriction of final felling			-	- 88
9 (practice)	2272.05	0 -2272.05	ADDITIONAL COSTS (EUR)	
10 Machinery costs	2272.05	0 -2272.05	Prohabition / temporal restriction of final felling (practice) 2272.05 0 -2272.05 Machinery costs 2272.05 0 -2272.05	- 11
11			. IVIACILITETY COSIS 22/2.00 0 -22/2.00	
12 Total for Additional Costs (EUR)		-2272.05	Total for Additional Costs (EUR) -2272.05	
13 14 Gross Income (EUR)		-2102.22		
15 (EOR)		-2102.22	Gross Income (EUR) -210222	
16 RD Rate (EUR)		1		
17 RD Minimum (EUR)		40	RD Rate (EUR)     RD Minimum (EUR)     40	
18 RD Maximum (EUR)		200	RD Mainimum (BJR)         40           RD Mainimum (BUR)         200           Enumpic (Summit (ETE))         40	
19				1
20 Financial Support (EUR)		40	Financial Support (EUR) 40	9
21				•
H + + H Sheet1 (Sheet2 (Sheet3 /		<u>i</u>		
Draw 🔹 😓 🛛 AutoShapes 🔹 🔪 🔪 💭 🎑 4 S	्रे 🛽 🖉 🖉 -	$\cdot \underline{\mathscr{A}} \cdot \underline{A} \cdot \equiv \boxed{} \cdot \overset{\circ}{=}$	Dr_aw • 💫    AutoShapes • 🔨 🔌 🗔 📿 🎬 🐗 🔅 💹 📓    🖄 • 🚣 • 🚍 🧮 🛱 💭	-
Ready		NUM //	Page 1 Sec 1 1/1 At 2.6cm Ln 2 Col 1 REC TRK EXT OVR English (U.K	ſ

Figure 40: Grid Outputs copied to MS Excel and Word

The outputs window also has options for modifying the display of data, such as setting the level of detail that is visible.

The difference in gross income is the sum of the income forgone and additional costs.

*Transaction costs* are applied to the *gross income* figure, either as an additional amount or as a percentage. The software will limit the sum of the transaction costs to 20% of gross income.

Overall financial support is calculated as the sum of gross income and transaction costs after any RDR adjustment such as RDR rate.

When many differentiated calculations are displayed, a sideways scroll bar may also appear since the output can become very wide.

If the grid contains multiple calculations (i.e. for the forestry measures), the software will prepare the calculations as separate payments and will show a total for all three payments for information purposes.

## 4 Uninstalling

To uninstall the AGRIGRID software tool, select Add and Remove Programs from the Control Panel. Scroll down to AGRIGRID and select it. Click Remove and when select Yes when prompted.

👸 Add or Ren	nove Programs		
5	Currently installed programs:	Sort by: Name	•
C <u>h</u> ange or Remove	Auobe Reader 0.1.0	Size	86'9àiaib 🔻
Programs	Adobe Reader 8.1.2	Size	86.47MB
<b>1</b>	🚚 Adobe SVG Viewer 3.0	Size	3.41MB
Add New	Adobe® Photoshop® Album Starter Edition 3.2	Size	15.88MB
Programs	AGRIGRID	Size	<u>1.12MB</u>
<u></u>	Click here for support information.	Used	rarely
		Last Used On	19/11/2008
Add/Remove <u>W</u> indows Components	To change Add or Remove Programs	Change	Remove
components	Aive Text t 🕐 Are you sure you want to remove AGRIGRID from your computer?	Size	1.34MB
	₩ Apple Softv	Size	2.14MB
Set Pr <u>o</u> gram Access and	🔂 Astro123 v Yes No	Size	5.73MB
Defaults	M BibTeXMng	Size	5.94MB
	🔫 Broadcom Management Programs	Size	2.38MB
	Broadcom NetXtreme Ethernet Controller		
	🔁 Compatibility Pack for the 2007 Office system	Size	172.00MB
	💋 Costco Desktop Kiosk	Size	5.79MB
	CropSyst Suite 4		
	CS suite common BPL files. These are used by most CS suite modules (CropSyst, ClimGen, C	CANMS, ArcCS, W	/atershed)
	得 DataStructures20	Size	2.21MB

## 5 Troubleshooting

#### **Installation Issues**

An error occurred attempting to install AGRIGRID.

	version of the AGRIGRID software already
AGRIGRID Setup       X         An error occurred attempting to install AGRIGRID.       Close         Details <	resides on your computer. Follow the instructions in <i>Uninstalling</i> on page 38 to uninstall the previous version before trying the installation again.
The software does not run.	Ensure that the .NET Framework 2.0 is installed – see <i>Microsoft</i> . <i>NET Framework</i> on page 5.

Solution

If you receive this message then another

Display Issues	Solution
Some controls are only partially visible or are not visible at all.	Open the Display settings (accessed via Control Panel) and click on the General tab. Ensure that the selected option for DPI setting is 'Normal size (96 DPI).

Library Issues	Solution
The library path is invalid.	This message is displayed when the last known library file is not accessible. This
X	could be because the library file is stored at a
Warning: the current library path is invalid.	network location which is not currently available or because you have not created a
OK	library file yet. See Data Libraries on page 9
	for more information concerning the management of library files.

#### **Grid Issues**

An error occurred while binding grid data to editor

 Image: An error occurred while binding grid data to editor: Object reference not set to an instance of an object.

 Image: OK

#### Solution

If you receive this message it may be because the grid file you are trying to load has been corrupted or was created using a previous or test version of the software. Create a new grid instead.