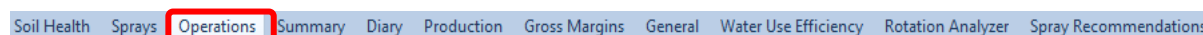



Operations

The Operations pane allows you to input the particular operations that will occur within the paddock at a particular point in time. In this section you are able to link particular operations to other activities and choose if to cost operation either per tonne or per hectare.

1. Add Operation

1. Click on Operations Tab.



2. Click Add button  to add new Operation entry.



3. Click on the blank Operation cell>Click on Operation from drop down.

Note: Default cost from the Master Database will appear. Where multiple rounds of operations appear the cost is multiplied. For example: Boomspray x 03 is \$7x3 = \$21.

4. Click on Timing cell>Click on Timing from drop down.
5. Click on Date>Select Date.

2. Linking Operations

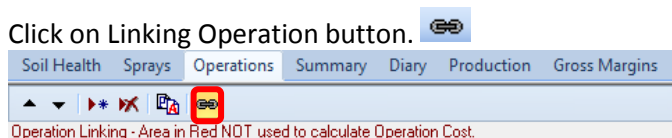
Costs of operations are entered on a per hectare (ha) basis. To change to a per tonne (t) basis requires linking operation to Crop area (sowing), Seeding, Harvest, or Fertilisers (Select or All).

1. Add Operation, Timing and Date. Notice the Area figures that are coloured **Red**. This means they are Linked Operations.
2. Change figure in Cost (\$) column to reflect per a \$/Tonne figure.

Operation Linking - Area in Red NOT used to calculate Operation Cost.

Operation	Details	Area	Cost (\$)	Timing	Date
Seed grading		170	25	Before planting	25/02/2012
Cultivation x 02		170	40	Ground preparation	3/03/2012
Airseeder/Seeding		170	20	Sowing / seeding	7/05/2012
Boomspray x 04		170	28	Various	23/06/2012
Insurance-Crop		170	6	GS 41 flag leaf sheaf	15/08/2012
Harvest cereals		170	40	Harvest	23/11/2012
Cartage/grain		170	15	After grain harvest	25/11/2012
Storage silo		170	5	After grain harvest	26/11/2012

3. Click on Linking Operation button.



4. Link Type and Link Item columns appear.

Operation	Details	Area	Cost (\$)	Timing	Date	Link Type	Link Item
Seed grading		170	25	Before planting	25/02/2012	Seeding (\$/t seed)	8.5 t @ \$25./t = \$213
Cultivation x 02		170	40	Ground preparation	3/03/2012	No Link	
Airseeder/Seeding		170	20	Sowing / seeding	7/05/2012	No Link	
Boomspray x 04		170	28	Various	23/06/2012	No Link	
Insurance-Crop		170	6	GS 41 flag leaf sheal	15/08/2012		
Harvest cereals		170	40	Harvest	23/11/2012		
Cartage/grain		170	15	After grain harvest	25/11/2012	Harvest (\$/Unit)	425.0 Tonnes @ \$15./T = \$6,375
Storage silo		170	5	After grain harvest	26/11/2012	Harvest (\$/Unit)	

5. Choose a Link Type>Click on Link Type in drop down.

Harvest cereals		170	40	Harvest	23/11/2012	Harvest (\$/Unit)	425.0 Tonnes @ \$15./T = \$6,375
Cartage/grain		170	15	After grain harvest	25/11/2012	Harvest (\$/Unit)	
Storage silo		170	5	After grain harvest	26/11/2012	Harvest (\$/Unit)	

Link Types

Link Type	Link Item
Crop Area (ha sown)	114 ha @ \$20./ha = \$2,280
Seeding (\$/t seed)	5.7 t @ \$28./t = \$160
Fertiliser (\$/t All)	12.5 t Fertiliser @ \$6./t = \$75
Fertiliser (\$/t Select Ferti)	6.3 t MAP (Incitec Pivot Ltd) @ \$40./
Harvest (\$/Unit)	285.0 Tonnes @ \$15./T = \$4,275

- Crop Area (ha Sown) - Cost is multiplied by the hectares sown. For example: Spraying of crop area.
- Seeding (\$/t seed) – Cost multiplied by the total tonnage of seed used in sowing. For example: Seed grading and cleaning.
- Harvest (\$/Unit) – Cost multiplied by the total tonnage yielded from paddock. The Yield is based on the Expected tonnes/ha average estimated in Production Tab. For example: Cartage of crop.
- Fertiliser (\$/T All) – Cost multiplied by total tonnage of fertiliser used in Soil Health. For example: Cartage of fertiliser.
- Fertiliser (\$/T Select Fertiliser) – Cost multiplied by tonnage of a specific fertiliser used in Soil Health. For example: Cartage or spreading of selected fertiliser.

6. Choose a Link Item>Click on Link Item in drop down.

Operation	Details	Area	Cost (\$)	Timing	Date	Link Type	Link Item	Share %
Direct drill		206	30	Sowing / seeding	8/05/2011			
Boomspray x 04		206	28	Various	30/06/2011	No Link		
Insurance-Crop		206	6	GS 41 flag leaf sheal	13/09/2011			
Harvest cereals		206	40	Harvest	5/11/2011			
Cartage/grain		206	15	After Harvest	1/12/2011	Harvest (\$/Unit)	515.0 Tonnes @ \$15./T = \$7,725	

Note: The Linked Item is based on the entries in Production Tab. For example: Hay/Cotton baling operations can be added and costed per tonne or bale.

7. For Linked Items, the Area will appear in **RED** font.

3. To unlink the operation

1. Select No Link in Link Type column.

Harvest Cereals		170	40	Harvest	25/11/2012		
Cartage/grain		170	15	After grain harvest	25/11/2012	Harvest (\$/Unit)	425.0 Tonnes @ \$15./T = \$6,375
Storage silo		170	5	After grain harvest	26/11/2012	No Link	
						No Link	
						Crop Area (ha sown)	
						Seeding (\$/t seed)	