

Hi Oom Danny and Oom Leon

I managed to create the csv from the system exactly as per Roberts requirements and formulas. Please find the aanbev surface voorbeeld export.csv attached as per importing of the aanbev surface voorbeeld shape file: aanbev surface voorbeeld.dbf
aanbev surface voorbeeld.shp
aanbev surface voorbeeld.shx

The image shows a screenshot of an Excel spreadsheet and a Notepad window. The Excel spreadsheet has a formula bar with $=MIN(E237,E238,G237,G238)$. The spreadsheet data is as follows:

A	B	C	D	E	F	G	H	I	J
			-24.737508	30.569955	-24.733898	30.569768			
			-24.733925	30.575672	-24.733898	30.575494			
1		500	-24.733898	30.575672	-24.737508	30.569768			
1		450	-24.735722	30.572922	-24.735721	30.572920			
1		450	-24.735719	30.572922	-24.735542	30.572724			

The Notepad window shows the following CSV content:

```
aanbev surface voorbeeld export.csv - Notepad
File Edit Format View Help
LandNumber,ApplicationRate,BoundingBoxTop,BoundingBoxRight,BoundingBoxBottom,BoundingBoxLeft
1,500,-24.73389838,30.5756716,-24.73750834,30.56976827
1,450,-24.73715933,30.57272429,-24.73697967,30.57252648
1,450,-24.73715933,30.57292211,-24.73697967,30.57272429
1,450,-24.73697967,30.57272429,-24.7368,30.57252648
1,450,-24.73697967,30.57292211,-24.7368,30.57272429
1,450,-24.73697967,30.57311992,-24.7368,30.57292211
```

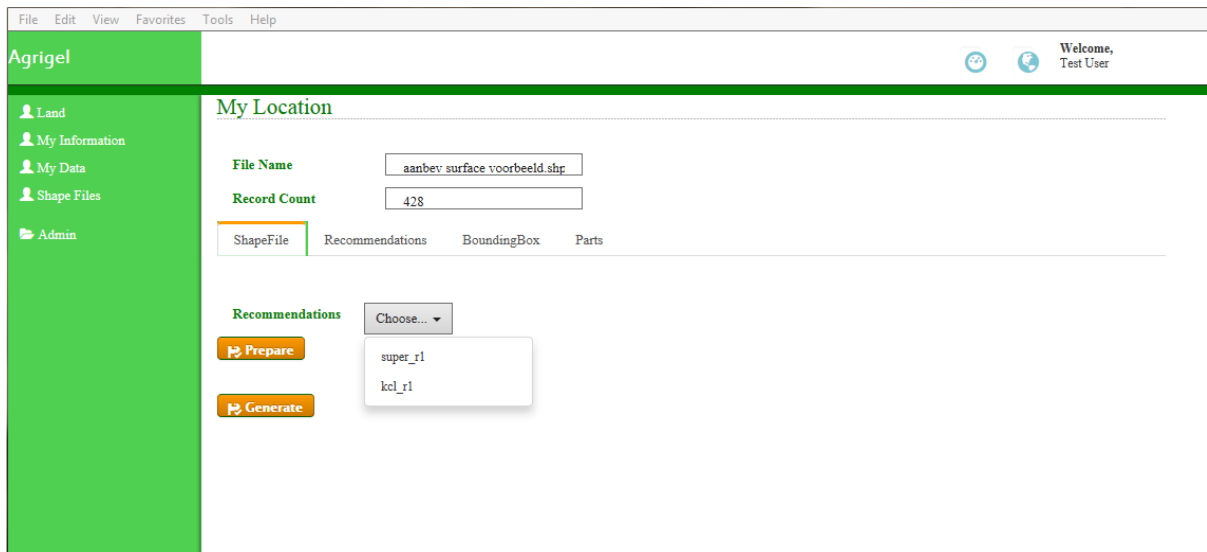
I have not spend a lot of time on the FE (Look and feel), would also like to confirm with oom Danny today how he would like the screen to look and function. However the functionality is there.

FE

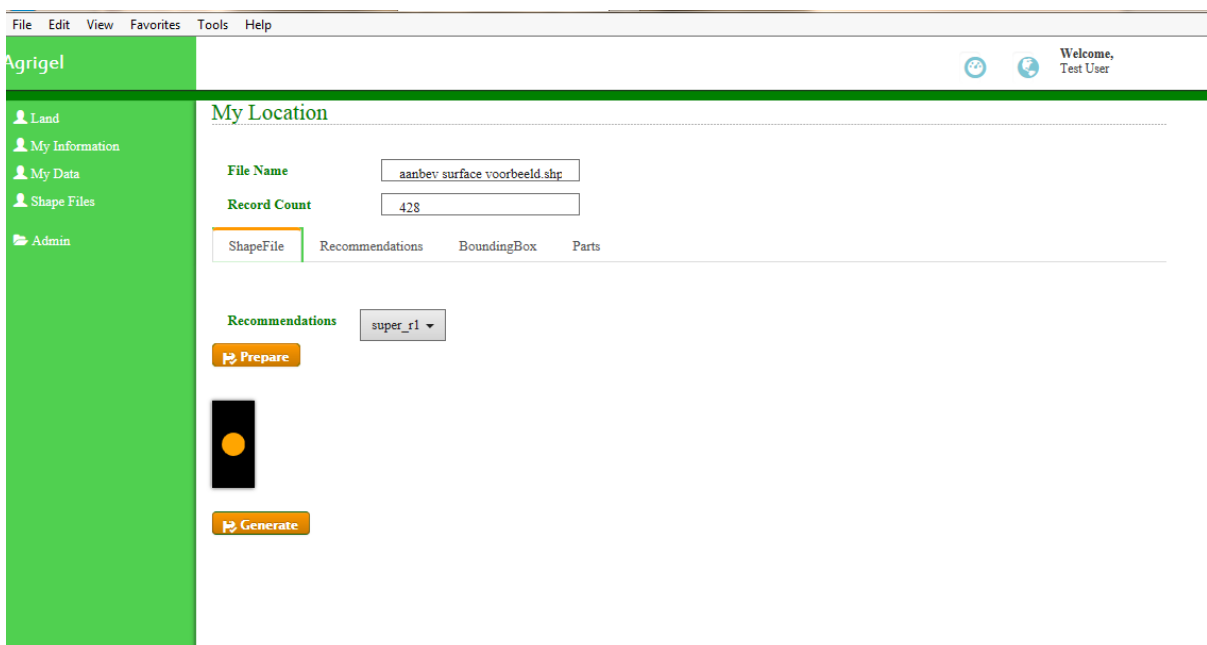
The image shows a screenshot of the Agrigel web application interface. The interface includes a navigation menu on the left with items: Land, My Information, My Data, Shape Files, and Admin. The main content area is titled "Shape Files" and displays a table of records. The table has columns for Id, Identifier, and FileName. The records are as follows:

Id	Identifier	FileName
6464	f7983f33-076c-480a-8c8d-217418dc949d	aanbev surface voorbeeld.shp
6363	517e4f6e-162c-44f9-80d5-2f3ab325228c	kl01 dolomiet 2015.shp
6262	2dffe9ab-8c57-4c44-8a79-eb3725a4018b	kl01 dolomiet 2015.shp

The drop down will be different depending on the Values supplied in the shapefile file, this dropdown is being populated dynamically.



I have split the preparation and generation into 2 functions mainly for qa. (this could become one button) (will confirm with Oom Danny today)



- Land
- My Information
- My Data
- Shape Files
 - My Shape Files
- Admin

My Location

File Name:

Record Count:

ShapeFile Recommendations BoundingBox Parts

Show 25 entries

clipId	Hectares	super_rl	kcl_rl
1	0.0399	500	50
2	0.0399	500	100
3	0.0399	500	50
4	0.0399	500	100
5	0.0399	500	200
6	0.0399	500	250
7	0.0399	500	250
8	0.0399	450	250

Previous 1 2 3 4 5 ... 18 Next

- Land
- My Information
- My Data
- Shape Files
 - My Shape Files
- Admin

My Location

File Name:

Record Count:

ShapeFile Recommendations BoundingBox Parts

Show 25 entries

Bounding Box Top	Bounding Box Right	Bounding Box Bottom	Bounding Box Left	Part Counter
-24.737339	30.57173523125	-24.7371593333333	30.57153741875	5
-24.737339	30.57193304375	-24.7371593333333	30.57173523125	5
-24.7371593333333	30.57173523125	-24.7369796666667	30.57153741875	5
-24.7371593333333	30.57193304375	-24.7369796666667	30.57173523125	5
-24.7371593333333	30.57213085625	-24.7369796666667	30.57193304375	5
-24.7371593333333	30.57232866875	-24.7369796666667	30.57213085625	5
-24.7371593333333	30.57252648125	-24.7369796666667	30.57232866875	5
-24.7371593333333	30.57272429375	-24.7369796666667	30.57252648125	5

Previous 1 2 3 4 5 ... 18 Next

File Edit View Favorites Tools Help

Agrigel Welcome, Test User

- Land
- My Information
- My Data
- Shape Files
- My Shape Files
- Admin

My Location

File Name:

Record Count:

ShapeFile Recommendations BoundingBox **Parts**

Show entries

Bounding Box Id	PartX	PartY
2121	30.57153741875	-24.737339
2121	30.57153741875	-24.7371593333333
2121	30.57173523125	-24.7371593333333
2121	30.57173523125	-24.737339
2121	30.57153741875	-24.737339
2122	30.57173523125	-24.737339
2122	30.57173523125	-24.7371593333333
2122	30.57193304375	-24.7371593333333

Previous 2 3 4 5 ... 106 Next

DB

SQLQuery29.sql - I...NB01\F4820711 (56) x SQLQuery28.sql - I...NB01\F4820711 (55)

```

/***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [Id]
, [Identifier]
, [FileName]
, [RecordCount]
, [AgrigelShapeFileType]
, [AgrigelShapeFileCustomerType]
, [UploadDate]
FROM [Agrigel.Web].[dbo].[AgrigelShapeFiles]
  
```

100 %

	Id	Identifier	FileName	RecordCount	AgrigelShapeFileType	AgrigelShapeFileCustomerType
1	6262	2DFFE9AB-8C57-4C44-8A79-EB3725A4018B	kl01 dolomiet 2015.shp	2008	1	1
2	6363	517E4F6E-162C-44F9-80D5-2F3AB325228C	kl01 dolomiet 2015.shp	2008	1	1
3	6464	F7983F33-076C-480A-8C8D-217418DC949D	aanbev surface voorbeeld.shp	428	1	1

```

/***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [Id]
, [AgrigelShapeFileId]
, [ClipId]
, [Hectares]
, [ValOneR1]
, [ValTwoR1]
, [ValThreeR1]
, [ValFourR1]
, [ValFiveR1]
FROM [Agrigel.Web].[dbo].[AgrigelShapeFileRecommendationHeaders]

```

100 %

Results Messages

	Id	AgrigelShapeFileId	ClipId	Hectares	ValOneR1	ValTwoR1	ValThreeR1	ValFourR1	ValFiveR1
1	2424	6363	clip_id	hectares	dol_r1				
2	2525	6464	clip_id	hectares	super_r1	kcl_r1			

SQLQuery30.sql - I...NB01\F4820711 (52) SQLQuery29.sql - I...NB01\F4820711 (56) SQLQuery28.sql - I...NB01\F4820711 (55)

```

, [RecommendationId]
, [RecommendationCounter]
, [ClipId]
, [Hectares]
, [ValOneR1]
, [ValTwoR1]
, [ValThreeR1]
, [ValFourR1]
, [ValFiveR1]
FROM [Agrigel.Web].[dbo].[AgrigelShapeFileRecommendations]

```

100 %

Results Messages

	Id	AgrigelShapeFileId	RecommendationId	RecommendationCounter	ClipId	Hectares	ValOneR1	ValTwoR1	ValThreeR1	ValFourR1	ValF
1	6868	6363	18159	1	1	0.0398	1000				
2	6869	6363	18160	1	2	0.0398	1000				
3	6870	6363	18306	1	3	0.0398	0				
4	6871	6363	18307	1	4	0.0398	1000				
5	6872	6363	18308	1	5	0.0398	1000				
6	6873	6363	18309	1	6	0.0398	1000				
7	6874	6363	18310	1	7	0.0398	2000				
8	6875	6363	18311	1	8	0.0398	2000				
9	6876	6363	18453	1	9	0.0398	0				
10	6877	6363	18454	1	10	0.0398	0				
11	6878	6363	18455	1	11	0.0398	1000				
12	6879	6363	18456	1	12	0.0398	1000				
13	6880	6363	18457	1	13	0.0398	1000				

```

/***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [Id]
, [AgrigelShapeFileId]
, [BoundingBoxTop]
, [BoundingBoxRight]
, [BoundingBoxBottom]
, [BoundingBoxLeft]
, [PartCounter]
FROM [Agrigel.Web].[dbo].[AgrigelShapeFileBoundingBoxes]

```

100 %

Results Messages

	Id	AgrigelShapeFileId	BoundingBoxTop	BoundingBoxRight	BoundingBoxBottom	BoundingBoxLeft	PartCounter
1	101	6363	-26.24237695	28.97086055	-26.2421973071429	28.9706601833333	5
2	102	6363	-26.24237695	28.9710609166667	-26.2421973071429	28.97086055	5
3	103	6363	-26.2421973071429	28.9706601833333	-26.2420176642857	28.9704598166667	5
4	104	6363	-26.2421973071429	28.97086055	-26.2420176642857	28.9706601833333	5
5	105	6363	-26.2421973071429	28.9710609166667	-26.2420176642857	28.97086055	5
6	106	6363	-26.2421973071429	28.9712612833333	-26.2420176642857	28.9710609166667	5
7	107	6363	-26.2421973071429	28.97146165	-26.2420176642857	28.9712612833333	5
8	108	6363	-26.2421973071429	28.9716620166667	-26.2420176642857	28.97146165	5
9	109	6363	-26.2420176642857	28.9704598166667	-26.2418380214286	28.97025945	5
10	110	6363	-26.2420176642857	28.9706601833333	-26.2418380214286	28.9704598166667	5
11	111	6363	-26.2420176642857	28.97086055	-26.2418380214286	28.9706601833333	5
12	112	6363	-26.2420176642857	28.9710609166667	-26.2418380214286	28.97086055	5
13	113	6363	-26.2420176642857	28.9712612833333	-26.2418380214286	28.9710609166667	5
14	114	6363	-26.2420176642857	28.97146165	-26.2418380214286	28.9712612833333	5

SQLQuery55.sql - I...NB01\F48207\11 (57)) x SQLQuery52.sql - I...NB01\F48207\11 (54)) SQLQuery51.sql - I...NB01\F48207\11 (53))

```

/***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [Id]
, [AgrigelShapeFileId]
, [AgrigelShapeFileSurfaceBoundingBoxId]
, [PartName]
, [PartX]
, [PartY]
FROM [Agrigel.Web].[dbo].[AgrigelShapeFileParts]

```

100 %

Results Messages

	Id	AgrigelShapeFileId	AgrigelShapeFileSurfaceBoundingBoxId	PartName	PartX	PartY
1	101	6363	101		28.9706601833333	-26.24237695
2	102	6363	101		28.9706601833333	-26.2421973071429
3	103	6363	101		28.97086055	-26.2421973071429
4	104	6363	101		28.97086055	-26.24237695
5	105	6363	101		28.9706601833333	-26.24237695
6	106	6363	102		28.97086055	-26.24237695
7	107	6363	102		28.97086055	-26.2421973071429
8	108	6363	102		28.9710609166667	-26.2421973071429
9	109	6363	102		28.9710609166667	-26.24237695
10	110	6363	102		28.97086055	-26.24237695
11	111	6363	103		28.9704598166667	-26.2421973071429
12	112	6363	103		28.9704598166667	-26.2420176642857
13	113	6363	103		28.9706601833333	-26.2420176642857
14	114	6363	103		28.9706601833333	-26.2421973071429
15	115	6363	103		28.9704598166667	-26.2421973071429

```

, [BoundingBoxBottom]
, [BoundingBoxLeft]
FROM [Agrigel.Web].[dbo].[AgrigelShapeFilePreparations]

```

100 %

Results Messages

	Id	AgrigelShapeField	ClipId	Hectares	ValOneR1	ValTwoR1	ValThreeR1	ValFourR1	ValFiveR1	BoundingBoxTop	BoundingBoxRight
57	7631	6464	57	0.0399	450	200	0	0	0	-24.7366203333333	30.5737133562500
58	7632	6464	58	0.0399	500	150	0	0	0	-24.7366203333333	30.5739111687500
59	7633	6464	59	0.0399	500	100	0	0	0	-24.7366203333333	30.5741089812500
60	7634	6464	60	0.0399	500	50	0	0	0	-24.7366203333333	30.5743067937500
61	7635	6464	61	0.0399	500	50	0	0	0	-24.7366203333333	30.5745046062500
62	7636	6464	62	0.0399	500	50	0	0	0	-24.7366203333333	30.5747024187500
63	7637	6464	63	0.0399	500	50	0	0	0	-24.7366203333333	30.5749002312500
64	7638	6464	64	0.0399	500	100	0	0	0	-24.7366203333333	30.5750980437500
65	7639	6464	65	0.0399	500	100	0	0	0	-24.7366203333333	30.5752958562500
66	7640	6464	66	0.0399	500	150	0	0	0	-24.7364406666667	30.5713396062500
67	7641	6464	67	0.0399	500	150	0	0	0	-24.7364406666667	30.5715374187500
68	7642	6464	68	0.0399	500	100	0	0	0	-24.7364406666667	30.5717352312500
69	7643	6464	69	0.0399	500	100	0	0	0	-24.7364406666667	30.5719330437500
70	7644	6464	70	0.0399	500	150	0	0	0	-24.7364406666667	30.5721308562500

SQLQuery35.sql - I...NB01\F4820711 (59) × SQLQuery34.sql - I...NB01\F4820711 (58) SQLQuery33.sql - I...NB01\F4820711 (57)

```

, [BoundingBoxBottomMin]
, [BoundingBoxLeftMin]
, [BoundingBoxTopMax]
, [BoundingBoxRightMax]
, [BoundingBoxBottomMax]
, [BoundingBoxLeftMax]
, [BoundingBoxTopMaxFin]
, [BoundingBoxRightMaxFin]
, [BoundingBoxBottomMinFin]
, [BoundingBoxLeftMinFin]
FROM [Agrigel.Web].[dbo].[AgrigelShapeFilePreparationOverviews]

```

100 %

Results Messages

	peFileId	ApplicationRateMax	BoundingBox.TopMin	BoundingBox.RightMin	BoundingBox.BottomMin	BoundingBox.LeftMin	BoundingBox.TopMax	Boun
1		500	-24.7375083422695	30.5699549187500	-24.7373390000000	30.5697682727476	-24.7339253333333	30.5
2		500	-24.7375083422695	30.5699549187500	-24.7373390000000	30.5697682727476	-24.7339253333333	30.5

```

, [LandNumber]
, [ApplicationRate]
, [BoundingBoxTop]
, [BoundingBoxRight]
, [BoundingBoxBottom]
, [BoundingBoxLeft]
FROM [Agrigel.Web].[dbo].[AgrigelShapeFilePreparationExports]
    
```

100 %

Results Messages

	Id	AgrigelShapeFileId	LandNumber	ApplicationRate	BoundingBoxTop	BoundingBoxRight	BoundingBoxBottom	BoundingBoxLeft
1	404	6464	1	500	-24.7338983816789	30.5756716024129	-24.7375083422695	30.5697682727476
2	405	6464	1	450	-24.7371593333333	30.5727242937500	-24.7369796666667	30.5725264812500
3	406	6464	1	450	-24.7371593333333	30.5729221062500	-24.7369796666667	30.5727242937500
4	407	6464	1	450	-24.7369796666667	30.5727242937500	-24.7368000000000	30.5725264812500
5	408	6464	1	450	-24.7369796666667	30.5729221062500	-24.7368000000000	30.5727242937500
6	409	6464	1	450	-24.7369796666667	30.5731199187500	-24.7368000000000	30.5729221062500
7	410	6464	1	450	-24.7369796666667	30.5737133562500	-24.7368000000000	30.5735155437500
8	411	6464	1	450	-24.7369796666667	30.5739111687500	-24.7368000000000	30.5737133562500
9	412	6464	1	450	-24.7368000000000	30.5727242937500	-24.7366203333333	30.5725264812500
10	413	6464	1	450	-24.7368000000000	30.5729221062500	-24.7366203333333	30.5727242937500
11	414	6464	1	450	-24.7368000000000	30.5731199187500	-24.7366203333333	30.5729221062500
12	415	6464	1	450	-24.7368000000000	30.5735155437500	-24.7366203333333	30.5733177312500
13	416	6464	1	450	-24.7368000000000	30.5737133562500	-24.7366203333333	30.5735155437500
14	417	6464	1	450	-24.7368000000000	30.5739111687500	-24.7366203333333	30.5737133562500
15	418	6464	1	450	-24.7366203333333	30.5727242937500	-24.7364406666667	30.5725264812500
16	419	6464	1	450	-24.7366203333333	30.5729221062500	-24.7364406666667	30.5727242937500