

The CONTENTS Procedure

Data Set Name	WORK.IMPORT	Observations	135
Member Type	DATA	Variables	7
Engine	V9	Indexes	0
Created	03/14/2024 06:52:17	Observation Length	56
Last Modified	03/14/2024 06:52:17	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	2334
Obs in First Data Page	135
Number of Data Set Repairs	0
Filename	/saswork/SAS_workE4480000E394_odaws01-euw1.oda.sas.com/SAS_work0A6C0000E394_odaws01-euw1.oda.sas.com/import.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	536871022
Access Permission	rw-r--r--
Owner Name	u63788248
File Size	256KB
File Size (bytes)	262144

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
3	DP_ASHHCL_D	Num	8	COMMA15.1		DP_ASHHCL_D
2	DP_ASH_D	Num	8	COMMA15.1		DP_ASH_D
4	DP_DM_D	Num	8	COMMA15.1		DP_DM_D
7	DP_DUMASN_FS	Num	8	15.2		DP_DUMASN_FS
6	DP_GE_D	Num	8	COMMA15.3		DP_GE_D
5	DP_NDFA_D	Num	8	COMMA15.1		DP_NDFA_D
1	FARMS	Char	6	\$6.	\$6.	FARMS

ALL FARMS DESCRIPTIVE ANALYSIS

The MEANS Procedure

Variable	Label	N	Mean	Median	Minimum	Maximum	Range	Std Dev	Variance
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Variable	Label	N	Mean	Median	Minimum	Maximum	Range	Std Dev	Variance
DP_ASHHCL_D	DP_ASHHCL_D	135	28.1800000	28.8000000	14.9000000	38.8000000	23.9000000	4.3090637	18.5680299
DP_ASH_D	DP_ASH_D	135	105.4244444	106.2000000	90.3000000	120.1000000	29.8000000	5.9126157	34.9590249
DP_DM_D	DP_DM_D	135	934.2177778	933.9000000	863.3000000	980.6000000	117.3000000	29.3035601	858.6986368
DP_DUMASN_FS	DP_DUMASN_FS	135	4.2805926	4.2900000	3.2200000	5.5900000	2.3700000	0.5193190	0.2696922
DP_GE_D	DP_GE_D	135	18.2423556	18.0940000	15.2420000	20.0080000	4.7660000	0.7843106	0.6151431
DP_NDFA_D	DP_NDFA_D	135	455.9318519	461.3000000	361.8000000	504.9000000	143.1000000	28.6357585	820.0066645

ANOVA (DP\_ASHHCL\_D)

The ANOVA Procedure

Class Level Information		
Class	Levels	Values
FARMS	3	FARM_1 FARM_2 FARM_3

Number of Observations Read	135
Number of Observations Used	135

ANOVA (DP\_ASHHCL\_D)

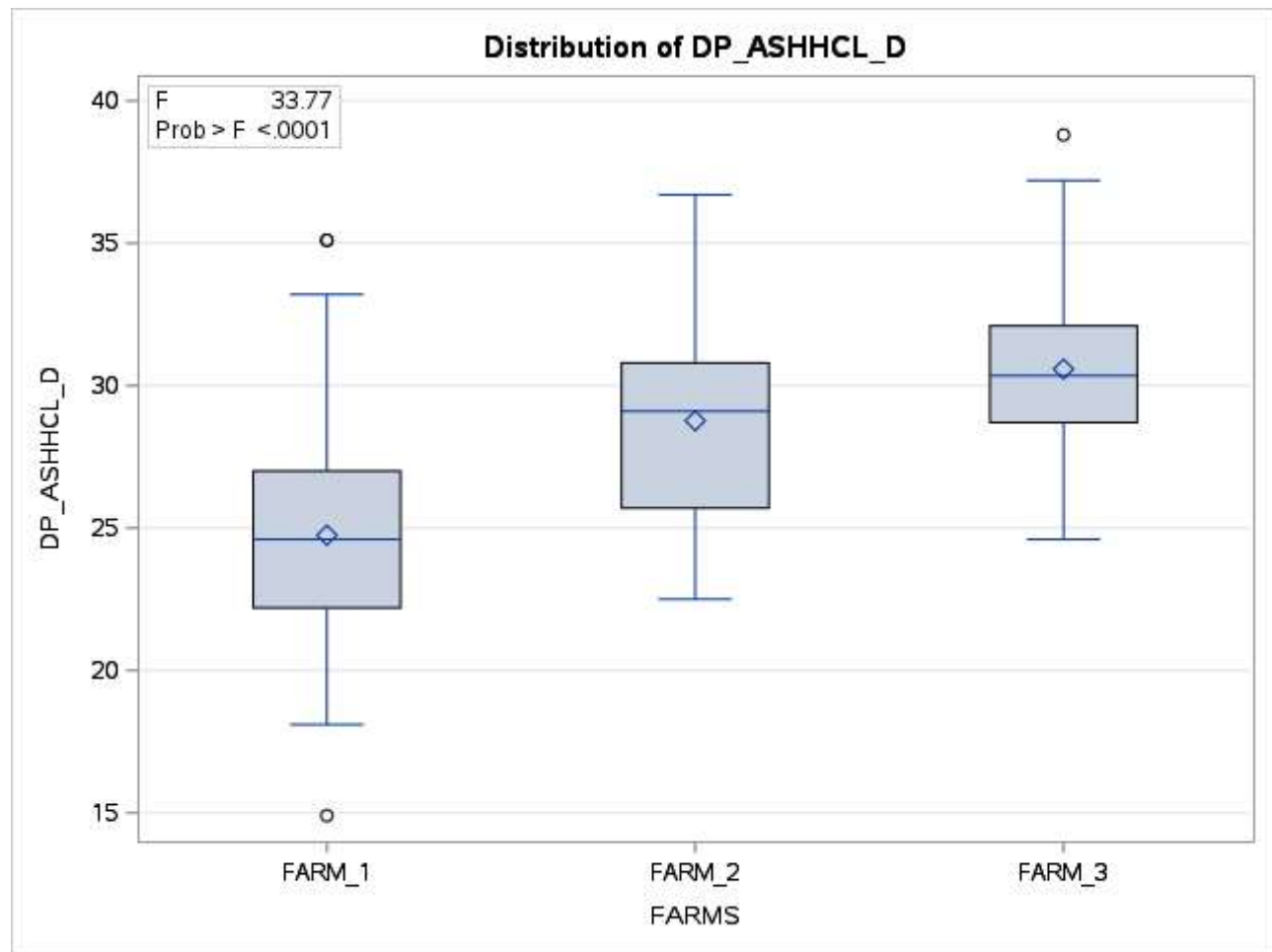
The ANOVA Procedure

Dependent Variable: DP\_ASHHCL\_D DP\_ASHHCL\_D

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	842.149251	421.074626	33.77	<.0001
Error	132	1645.966749	12.469445		
Corrected Total	134	2488.116000			

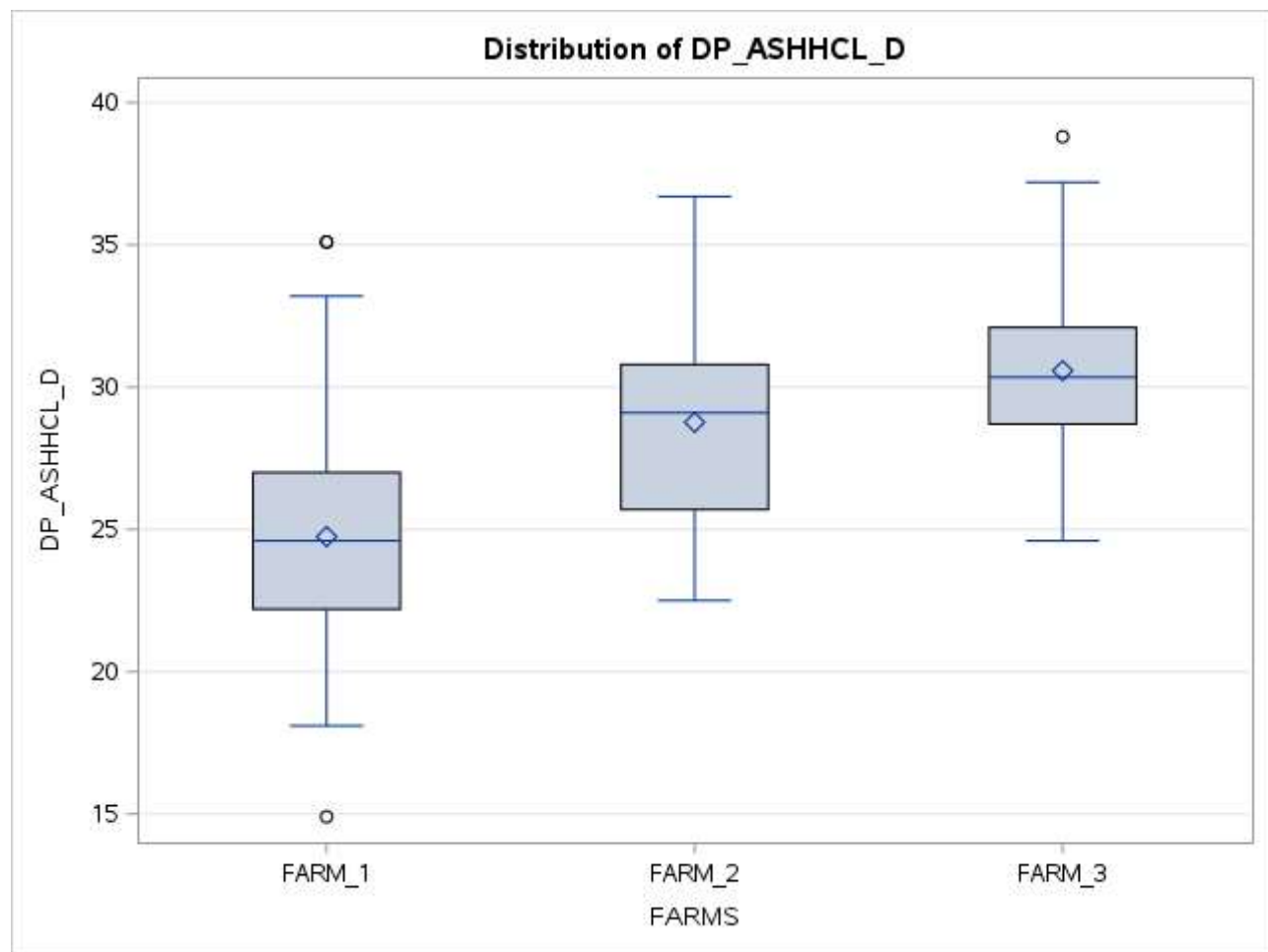
R-Square	Coeff Var	Root MSE	DP_ASHHCL_D Mean
0.338469	12.53091	3.531210	28.18000

Source	DF	Anova SS	Mean Square	F Value	Pr > F
FARMS	2	842.1492514	421.0746257	33.77	<.0001



### ANOVA (DP\_ASHHCL\_D)

The ANOVA Procedure



### ANOVA (DP\_ASHHCL\_D)

#### The ANOVA Procedure

#### Tukey's Studentized Range (HSD) Test for DP\_ASHHCL\_D

**Note:** This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	132
Error Mean Square	12.46945
Critical Value of Studentized Range	3.35232

Comparisons significant at the 0.05 level are indicated by ***.				
FARMS Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
FARM_3 - FARM_2	1.8129	0.0265	3.5993	***
FARM_3 - FARM_1	5.8323	4.1323	7.5323	***
FARM_2 - FARM_3	-1.8129	-3.5993	-0.0265	***
FARM_2 - FARM_1	4.0194	2.1523	5.8865	***
FARM_1 - FARM_3	-5.8323	-7.5323	-4.1323	***
FARM_1 - FARM_2	-4.0194	-5.8865	-2.1523	***

ANOVA (DP\_ASH\_D)

The ANOVA Procedure

Class Level Information			
Class	Levels	Values	
FARMS	3	FARM_1	FARM_2 FARM_3

Number of Observations Read	135
Number of Observations Used	135

ANOVA (DP\_ASH\_D)

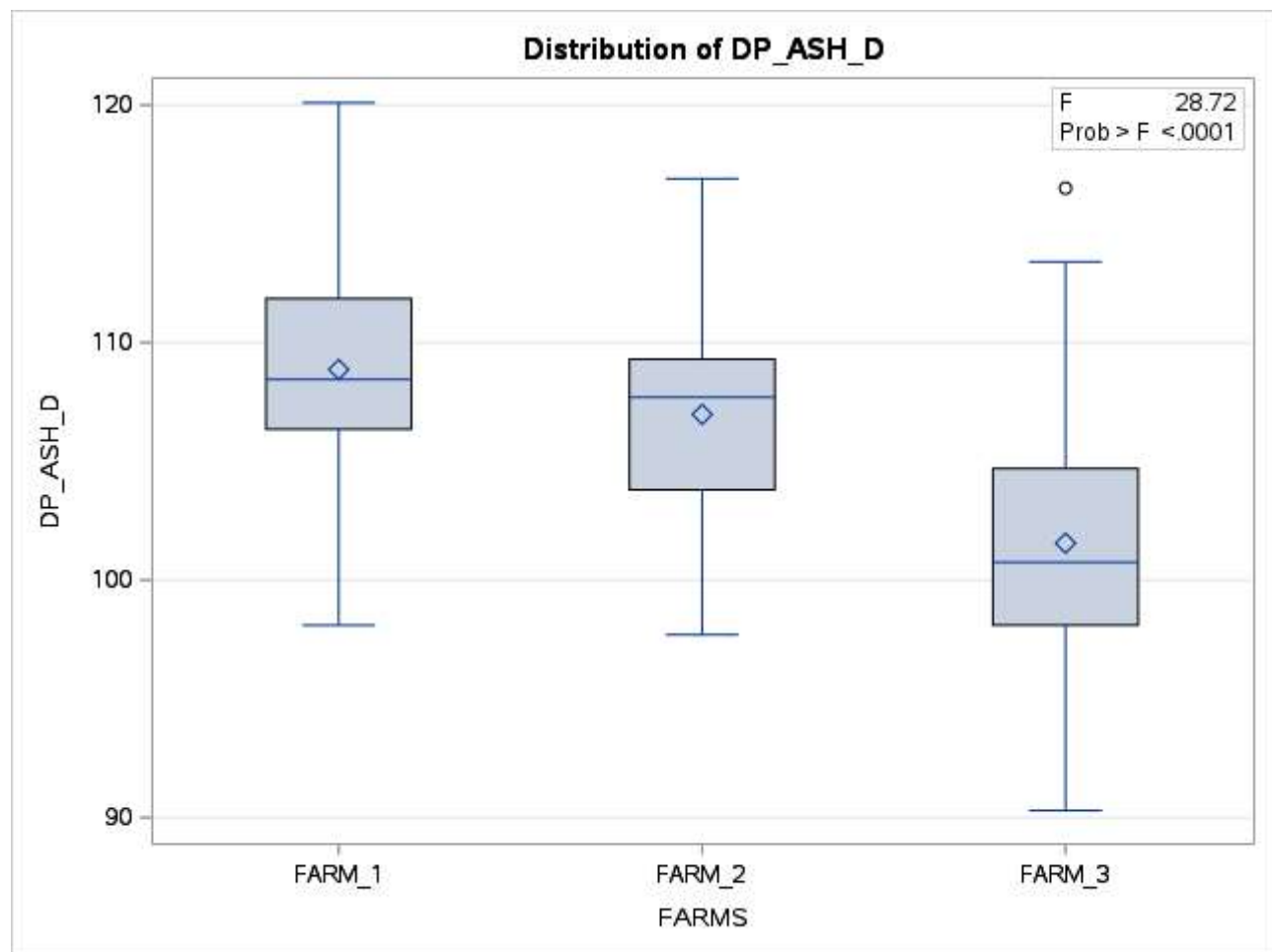
The ANOVA Procedure

Dependent Variable: DP\_ASH\_D DP\_ASH\_D

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	1420.216917	710.108458	28.72	<.0001
Error	132	3264.292417	24.729488		
Corrected Total	134	4684.509333			

R-Square	Coeff Var	Root MSE	DP_ASH_D Mean
0.303173	4.717004	4.972875	105.4244

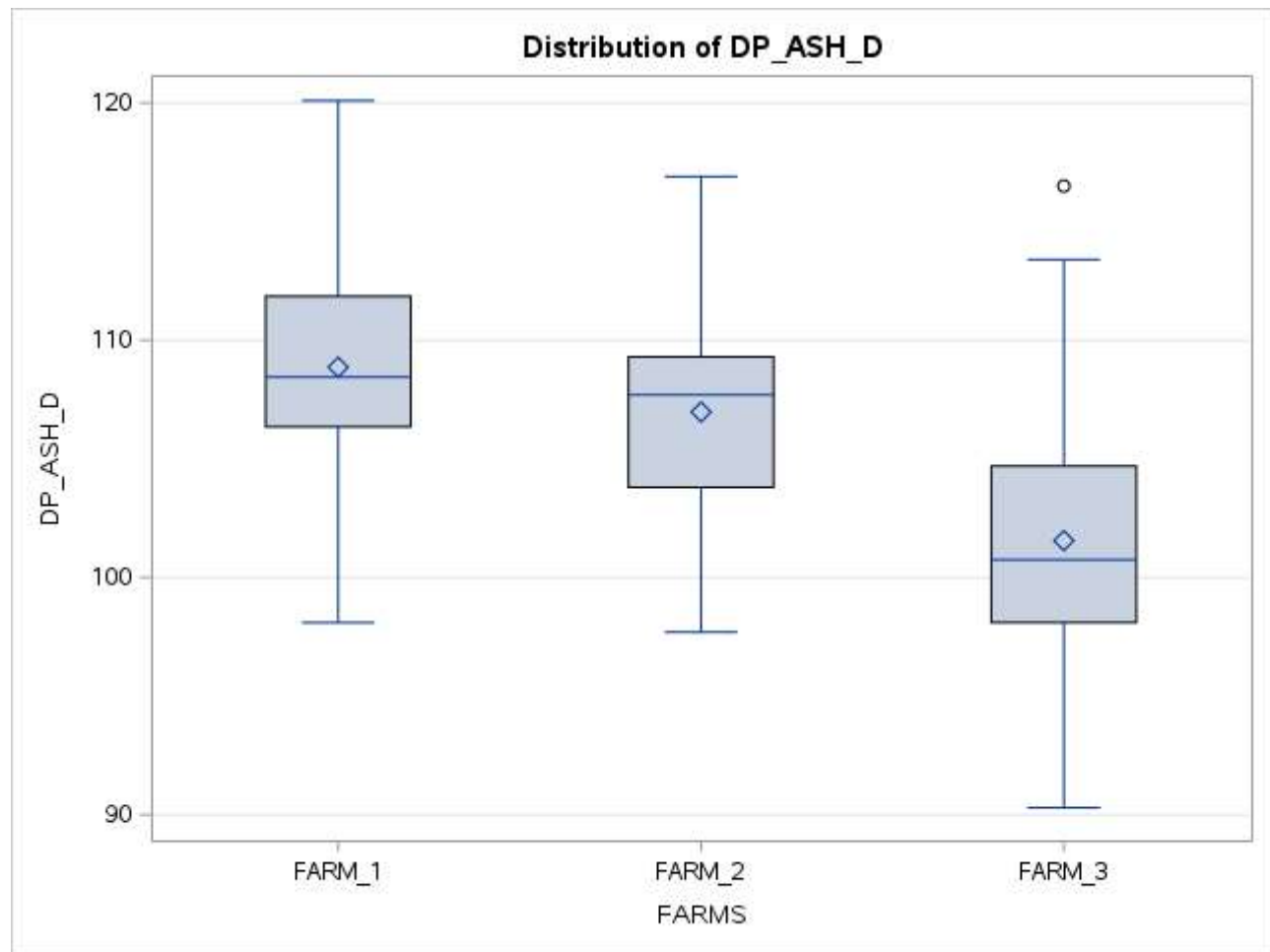
Source	DF	Anova SS	Mean Square	F Value	Pr > F
FARMS	2	1420.216917	710.108458	28.72	<.0001



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### ANOVA (DP\_ASH\_D)

The ANOVA Procedure



## ANOVA (DP\_ASH\_D)

### The ANOVA Procedure

#### Tukey's Studentized Range (HSD) Test for DP\_ASH\_D

**Note:** This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	132
Error Mean Square	24.72949
Critical Value of Studentized Range	3.35232

Comparisons significant at the 0.05 level are indicated by ***.				
FARMS Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
FARM_1 - FARM_2	1.8898	-0.7396	4.5192	
FARM_1 - FARM_3	7.3145	4.9205	9.7085	***
FARM_2 - FARM_1	-1.8898	-4.5192	0.7396	
FARM_2 - FARM_3	5.4247	2.9090	7.9404	***
FARM_3 - FARM_1	-7.3145	-9.7085	-4.9205	***
FARM_3 - FARM_2	-5.4247	-7.9404	-2.9090	***

ANOVA (DP\_DM\_D)

The ANOVA Procedure

Class Level Information		
Class	Levels	Values
FARMS	3	FARM_1 FARM_2 FARM_3

Number of Observations Read	135
Number of Observations Used	135

ANOVA (DP\_DM\_D)

The ANOVA Procedure

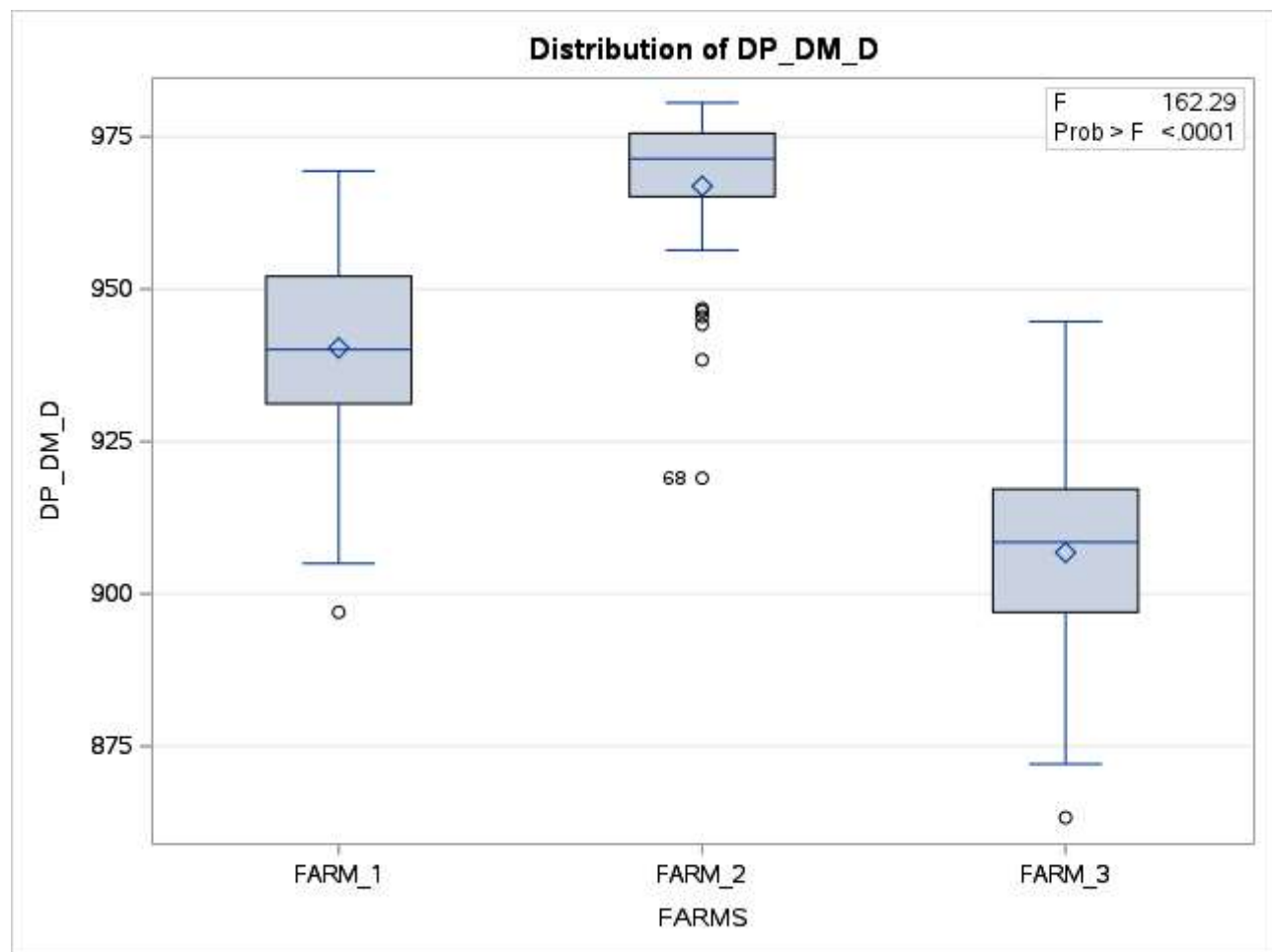
Dependent Variable: DP\_DM\_D DP\_DM\_D

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	81799.1169	40899.5585	162.29	<.0001
Error	132	33266.5004	252.0189		
Corrected Total	134	115065.6173			

R-Square	Coeff Var	Root MSE	DP_DM_D Mean
0.710891	1.699294	15.87510	934.2178

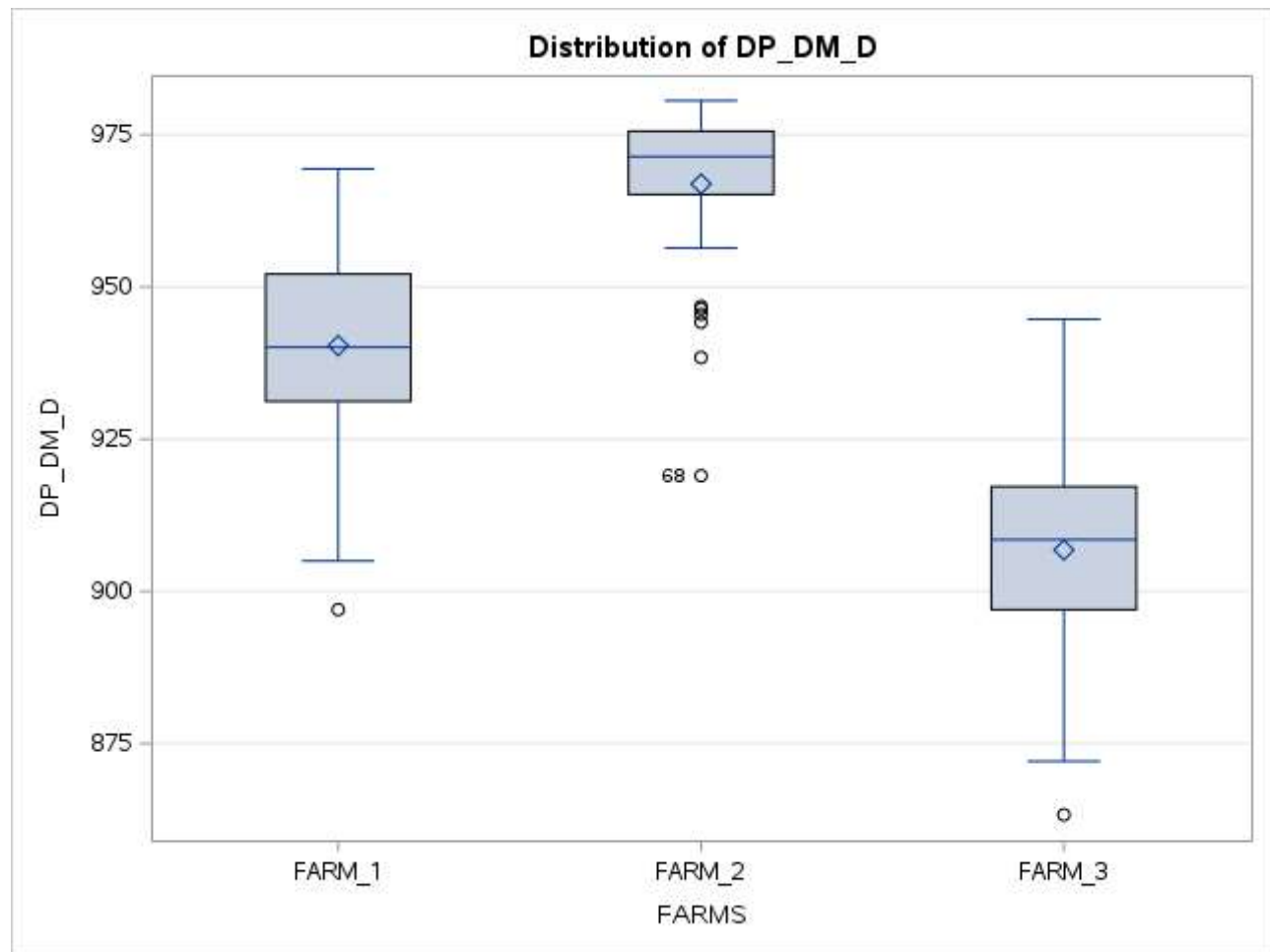
Source	DF	Anova SS	Mean Square	F Value	Pr > F
FARMS	2	81799.11691	40899.55846	162.29	<.0001





## ANOVA (DP\_DM\_D)

## The ANOVA Procedure



### ANOVA (DP\_DM\_D)

#### The ANOVA Procedure

#### Tukey's Studentized Range (HSD) Test for DP\_DM\_D

**Note:** This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	132
Error Mean Square	252.0189
Critical Value of Studentized Range	3.35232

Comparisons significant at the 0.05 level are indicated by ***.				
FARMS Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
FARM_2 - FARM_1	26.553	18.159	34.946	***
FARM_2 - FARM_3	60.111	52.080	68.142	***
FARM_1 - FARM_2	-26.553	-34.946	-18.159	***
FARM_1 - FARM_3	33.558	25.916	41.201	***
FARM_3 - FARM_2	-60.111	-68.142	-52.080	***
FARM_3 - FARM_1	-33.558	-41.201	-25.916	***

ANOVA (DP\_DM\_D)

The ANOVA Procedure

Class Level Information		
Class	Levels	Values
FARMS	3	FARM_1 FARM_2 FARM_3

Number of Observations Read	135
Number of Observations Used	135

ANOVA (DP\_DM\_D)

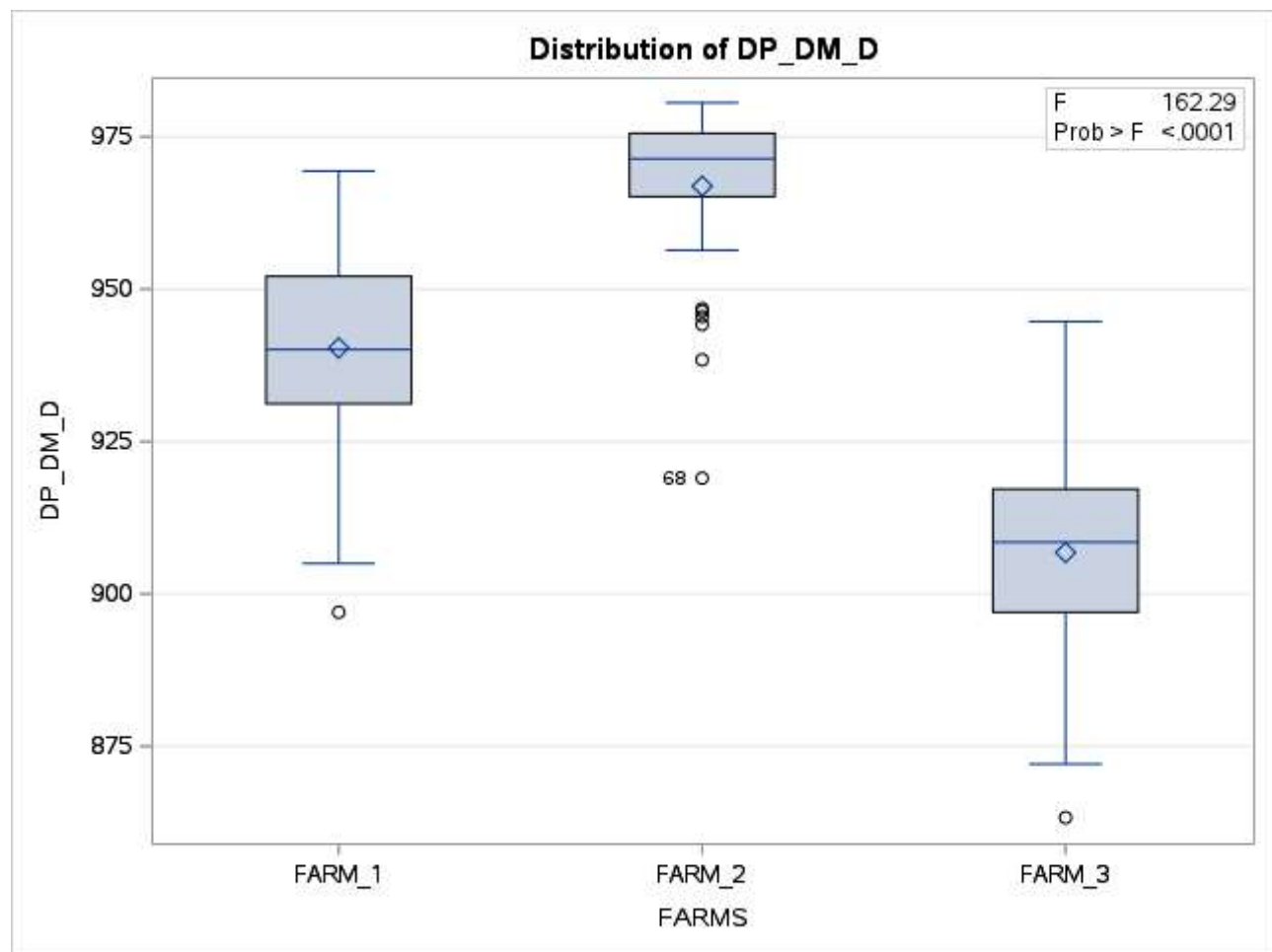
The ANOVA Procedure

Dependent Variable: DP\_DM\_D DP\_DM\_D

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	81799.1169	40899.5585	162.29	<.0001
Error	132	33266.5004	252.0189		
Corrected Total	134	115065.6173			

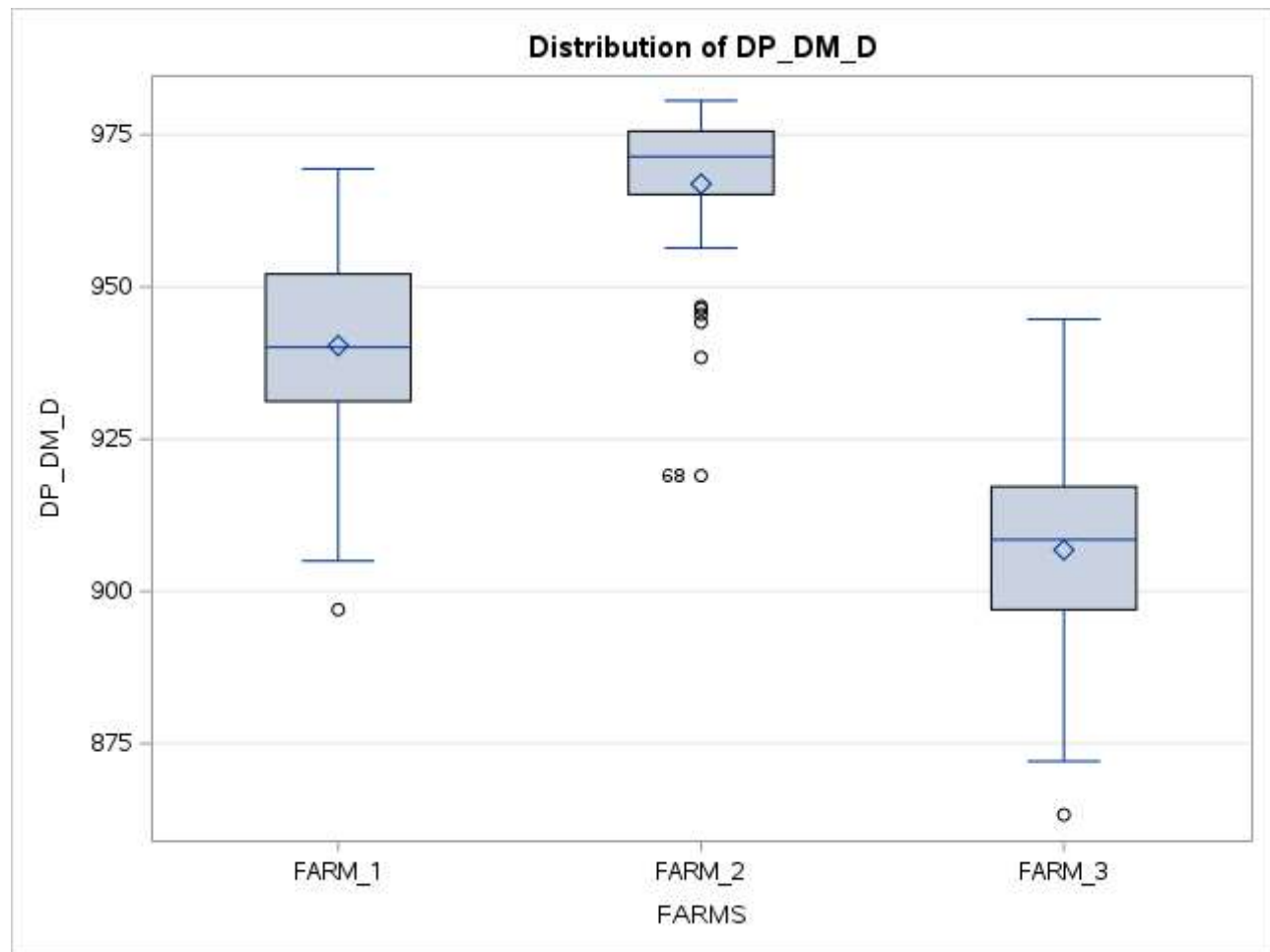
R-Square	Coeff Var	Root MSE	DP_DM_D Mean
0.710891	1.699294	15.87510	934.2178

Source	DF	Anova SS	Mean Square	F Value	Pr > F
FARMS	2	81799.11691	40899.55846	162.29	<.0001



## ANOVA (DP\_DM\_D)

## The ANOVA Procedure



### ANOVA (DP\_DM\_D)

#### The ANOVA Procedure

#### Tukey's Studentized Range (HSD) Test for DP\_DM\_D

**Note:** This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	132
Error Mean Square	252.0189
Critical Value of Studentized Range	3.35232

Comparisons significant at the 0.05 level are indicated by ***.				
FARMS Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
FARM_2 - FARM_1	26.553	18.159	34.946	***
FARM_2 - FARM_3	60.111	52.080	68.142	***
FARM_1 - FARM_2	-26.553	-34.946	-18.159	***
FARM_1 - FARM_3	33.558	25.916	41.201	***
FARM_3 - FARM_2	-60.111	-68.142	-52.080	***
FARM_3 - FARM_1	-33.558	-41.201	-25.916	***

ANOVA (DP\_GE\_D)

The ANOVA Procedure

Class Level Information		
Class	Levels	Values
FARMS	3	FARM_1 FARM_2 FARM_3

Number of Observations Read	135
Number of Observations Used	135

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ANOVA (DP\_GE\_D)

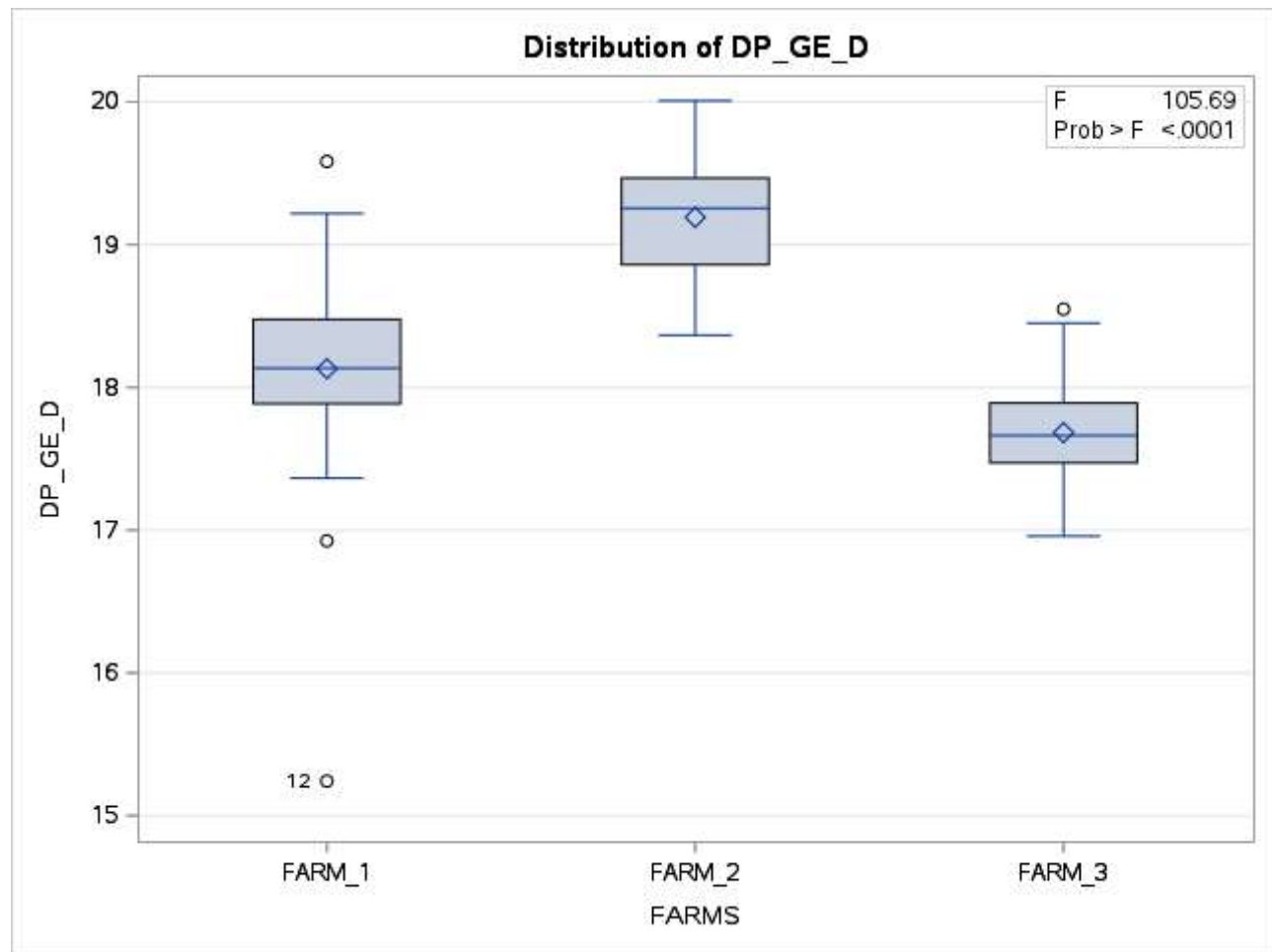
The ANOVA Procedure

Dependent Variable: DP\_GE\_D DP\_GE\_D

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	50.74153863	25.37076932	105.69	<.0001
Error	132	31.68764030	0.24005788		
Corrected Total	134	82.42917893			

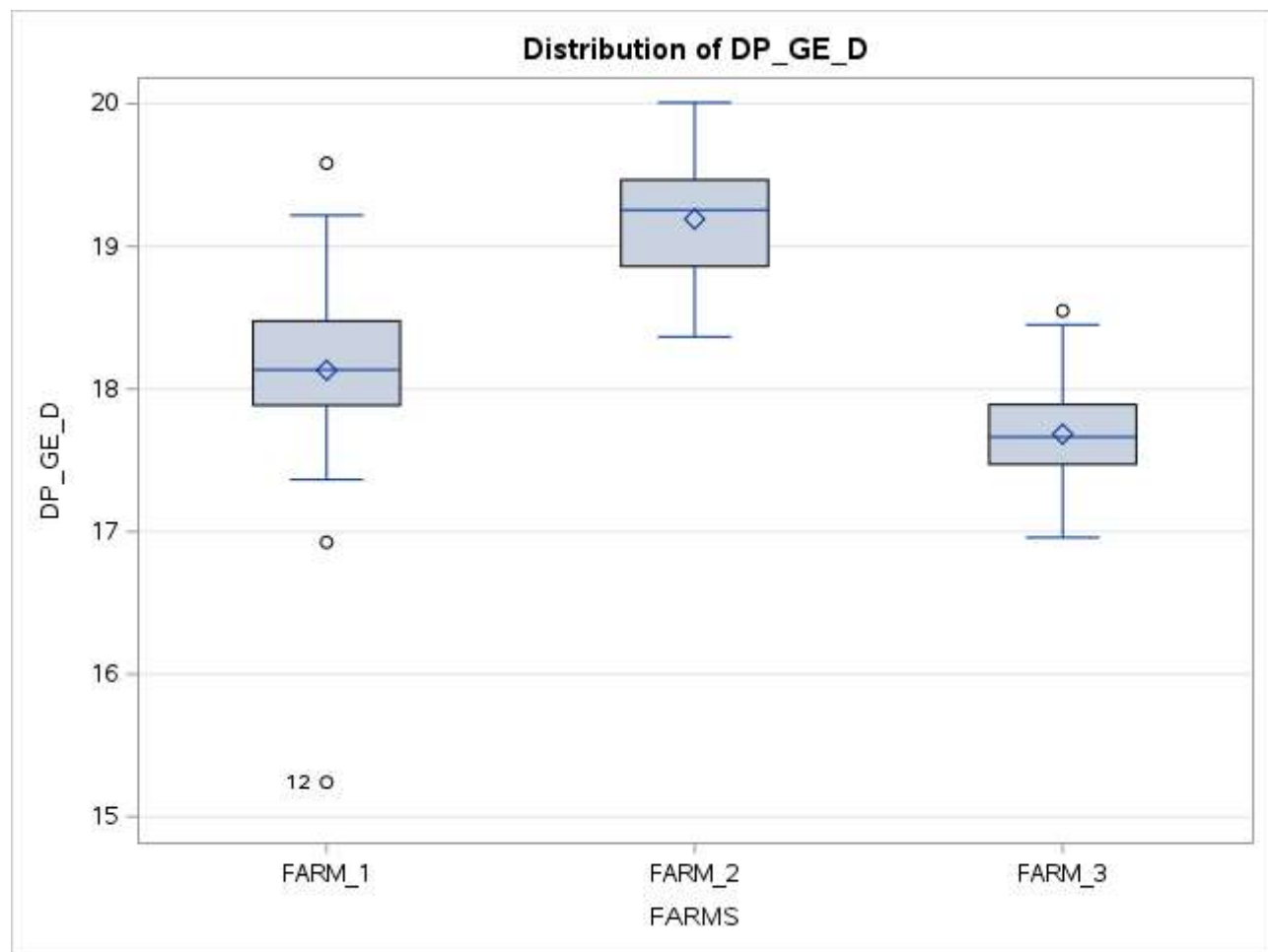
R-Square	Coeff Var	Root MSE	DP_GE_D Mean
0.615577	2.685821	0.489957	18.24236

Source	DF	Anova SS	Mean Square	F Value	Pr > F
FARMS	2	50.74153863	25.37076932	105.69	<.0001



### ANOVA (DP\_GE\_D)

The ANOVA Procedure



## ANOVA (DP\_GE\_D)

### The ANOVA Procedure

#### Tukey's Studentized Range (HSD) Test for DP\_GE\_D

**Note:** This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	132
Error Mean Square	0.240058
Critical Value of Studentized Range	3.35232

Comparisons significant at the 0.05 level are indicated by ***.				
FARMS Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
FARM_2 - FARM_1	1.06029	0.80123	1.31936	***
FARM_2 - FARM_3	1.50801	1.26014	1.75587	***
FARM_1 - FARM_2	-1.06029	-1.31936	-0.80123	***
FARM_1 - FARM_3	0.44771	0.21184	0.68358	***
FARM_3 - FARM_2	-1.50801	-1.75587	-1.26014	***
FARM_3 - FARM_1	-0.44771	-0.68358	-0.21184	***



ANOVA (DP\_NDFA\_D)

The ANOVA Procedure

Class Level Information		
Class	Levels	Values
FARMS	3	FARM_1 FARM_2 FARM_3

Number of Observations Read	135
Number of Observations Used	135

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ANOVA (DP\_NDFA\_D)

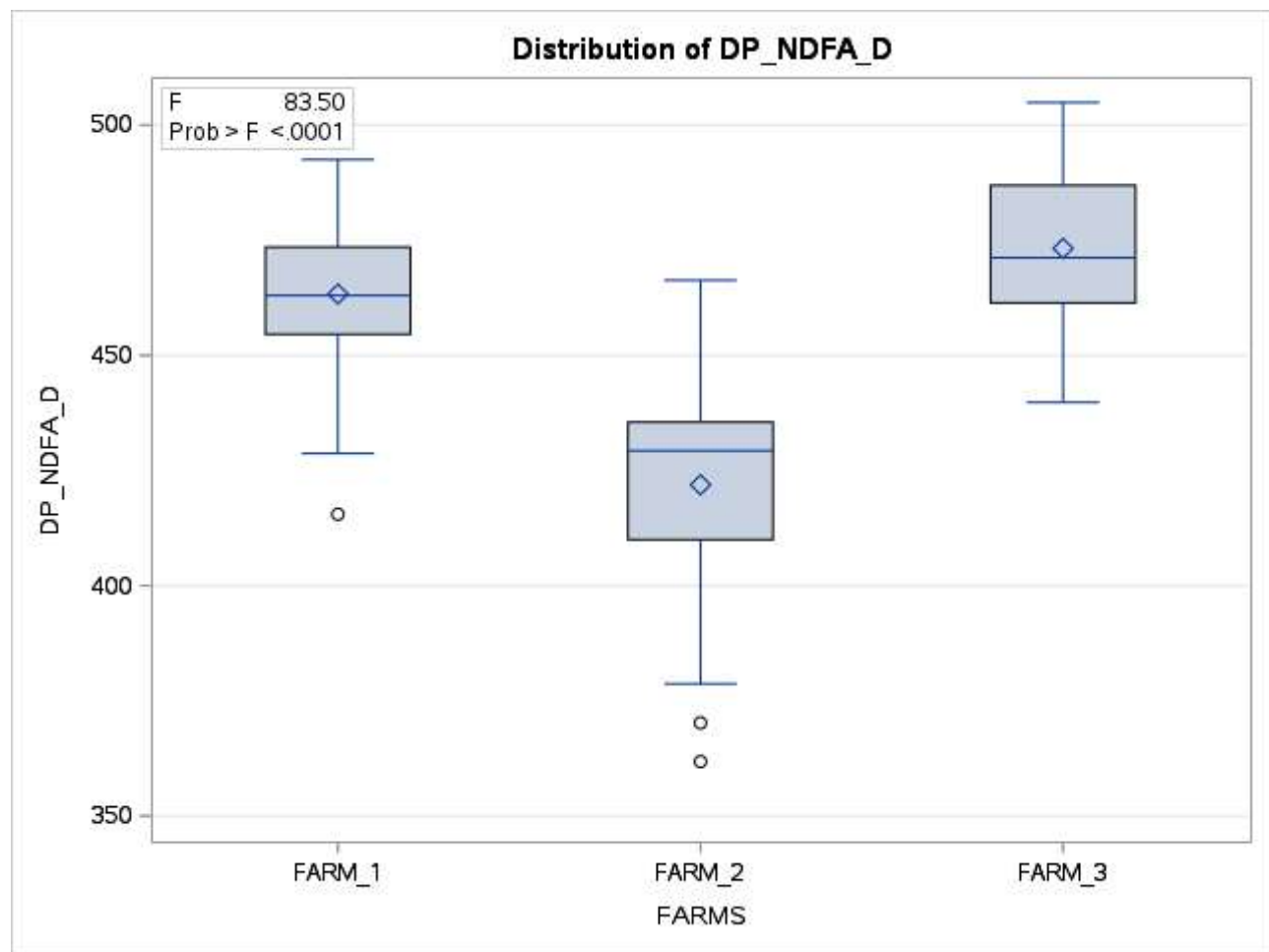
The ANOVA Procedure

Dependent Variable: DP\_NDFA\_D DP\_NDFA\_D

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	61372.6332	30686.3166	83.50	<.0001
Error	132	48508.2598	367.4868		
Corrected Total	134	109880.8930			

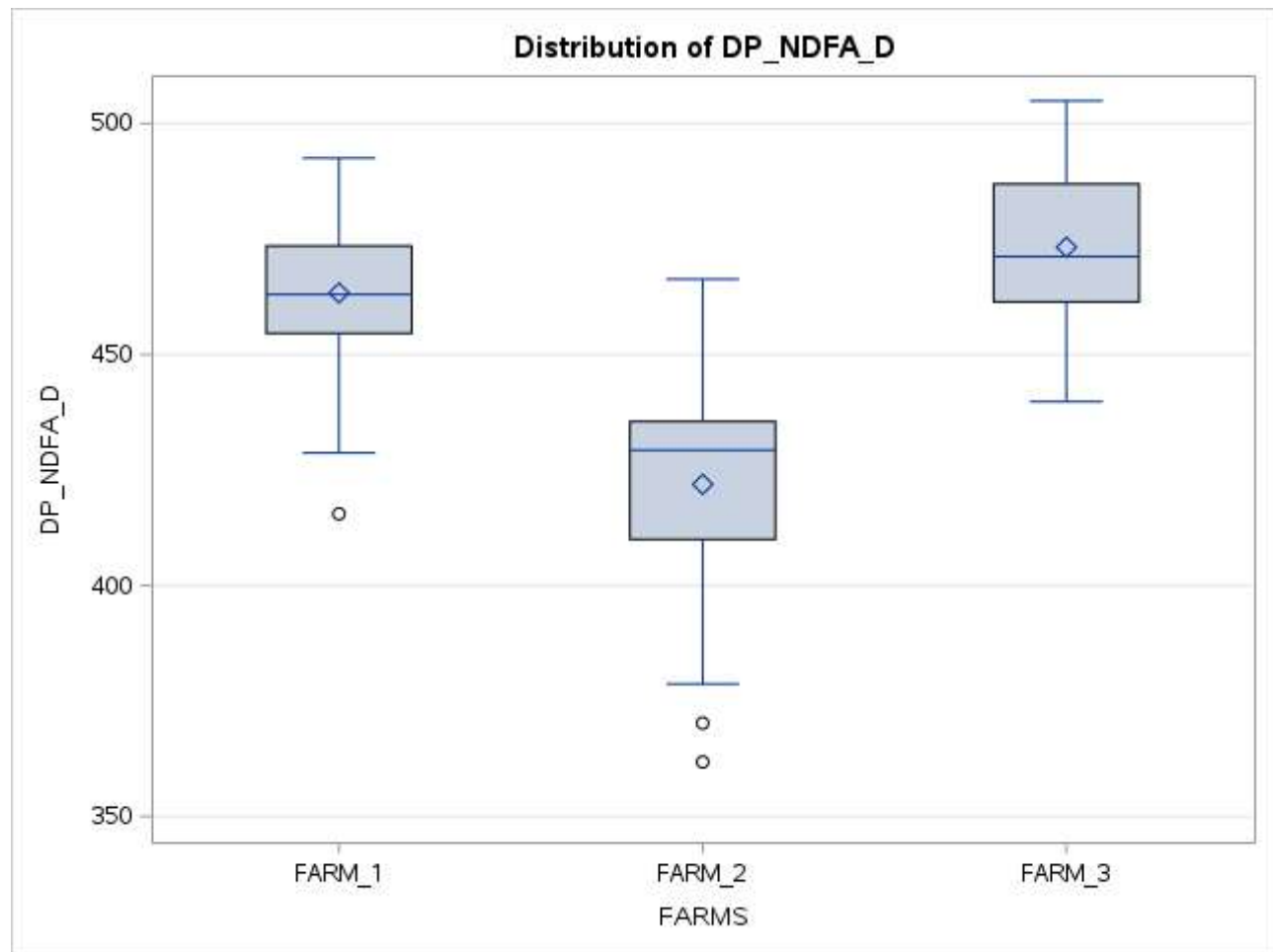
R-Square	Coeff Var	Root MSE	DP_NDFA_D Mean
0.558538	4.204564	19.16995	455.9319

Source	DF	Anova SS	Mean Square	F Value	Pr > F
FARMS	2	61372.63320	30686.31660	83.50	<.0001



### ANOVA (DP\_NDFA\_D)

The ANOVA Procedure



### ANOVA (DP\_NDFA\_D)

#### The ANOVA Procedure

#### Tukey's Studentized Range (HSD) Test for DP\_NDFA\_D

**Note:** This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	132
Error Mean Square	367.4868
Critical Value of Studentized Range	3.35232

Comparisons significant at the 0.05 level are indicated by ***.				
FARMS Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
FARM_3 - FARM_1	9.906	0.677	19.135	***
FARM_3 - FARM_2	51.313	41.615	61.011	***
FARM_1 - FARM_3	-9.906	-19.135	-0.677	***
FARM_1 - FARM_2	41.407	31.271	51.543	***
FARM_2 - FARM_3	-51.313	-61.011	-41.615	***
FARM_2 - FARM_1	-41.407	-51.543	-31.271	***