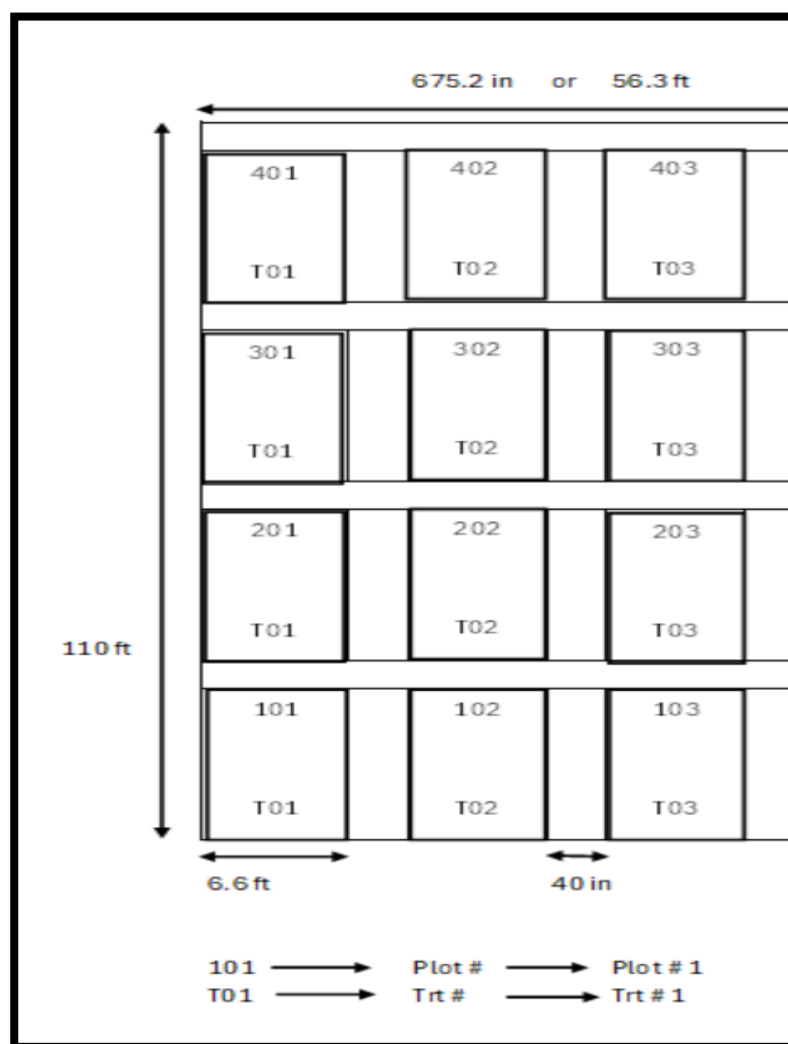
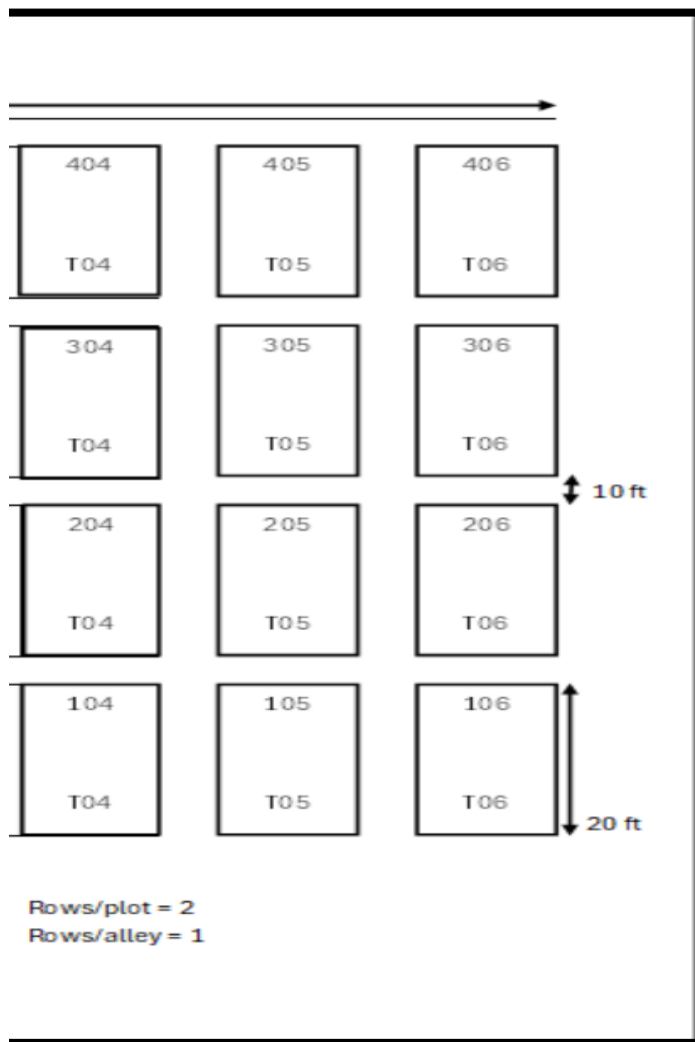


Plot Map for Bio Polymer Water Use Efficiency Trial – 010-2025

Treatment	Description	Polymer	Irrigation
1	Check	0	Full irrigation program
2	No Polymer	0	75% irrigation program
3	No Polymer	0	50% irrigation program
4	Polymer	17.7 lbs/ac	Full irrigation program
5	Polymer	17.7 lbs/ac	75% irrigation program
6	Polymer	17.7 lbs/ac	50% irrigation program

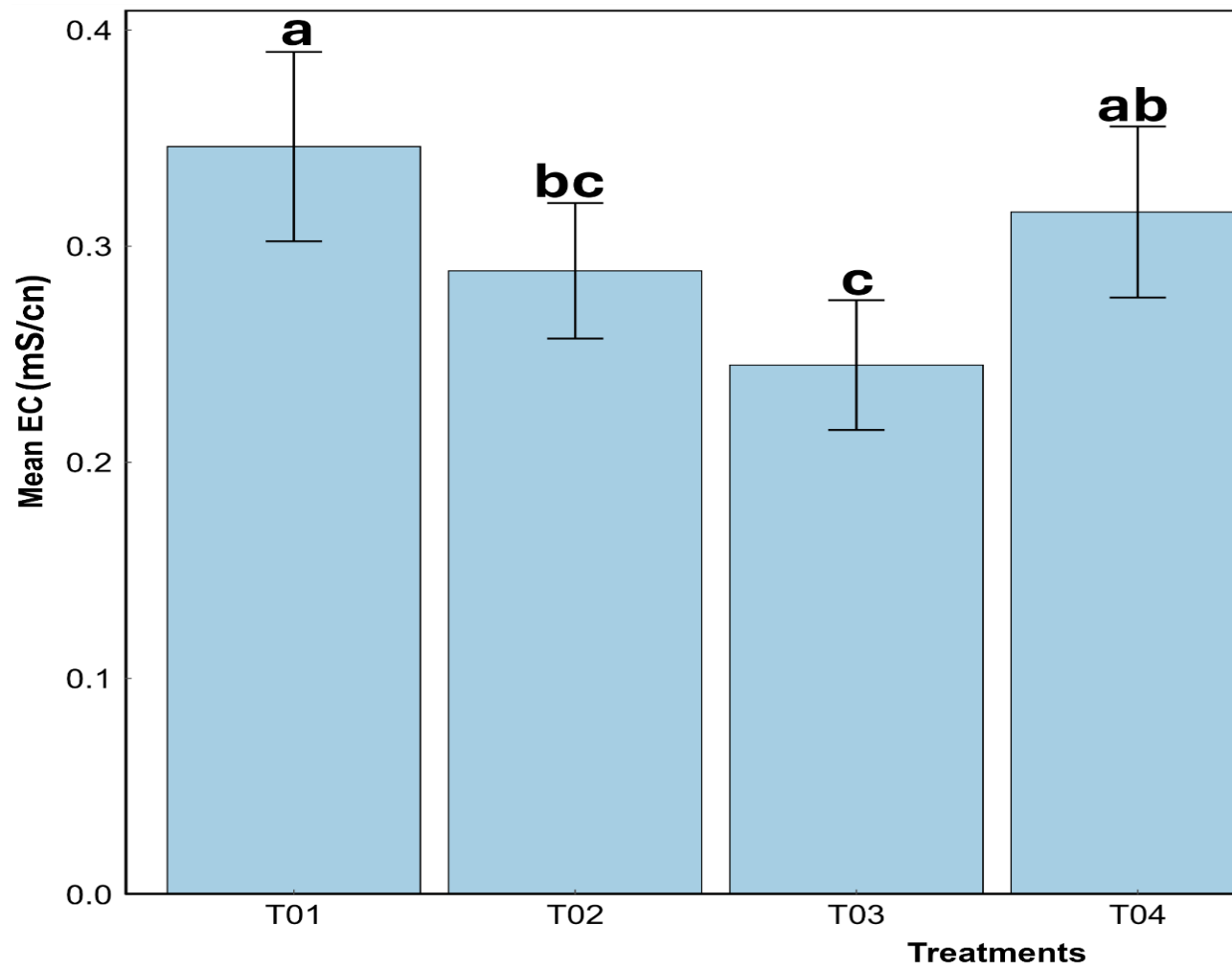


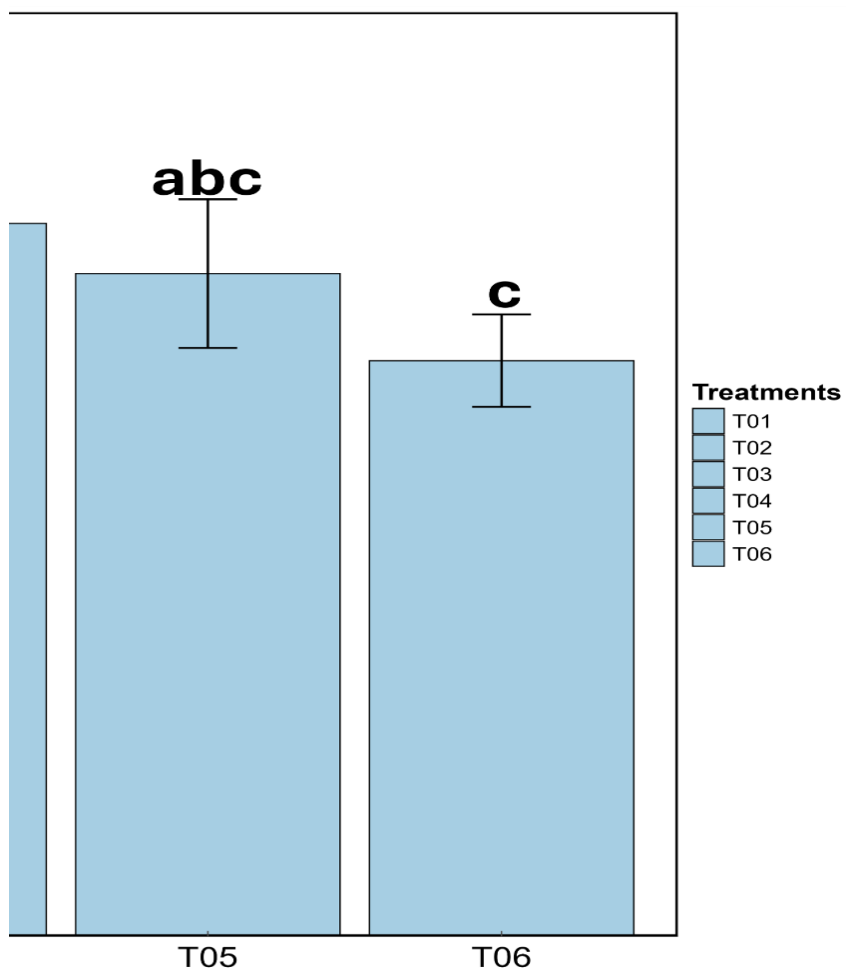


Term	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Treatments	5	0.254804	0.050960833	8.512081454	3.55E-07 ***
Week	8	6.733775	0.841721875	140.5943485	8.08E-69 ***
Treatments:Week	40	0.958942	0.023973542	4.004344632	1.92E-10 ***
Residuals	162	0.969875	0.005986883		

signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Group	Letter
T01	a
T04	ab
T05	abc
T02	bc
T06	c
T03	c





Treatments	Week	EC (mS/cm)
T01	1	0.29
T01	1	0.24
T01	1	0.37
T01	1	0.42
T01	2	0.09
T01	2	0.1
T01	2	0.07
T01	2	0.07
T01	3	0.09
T01	3	0.1
T01	3	0.07
T01	3	0.07
T01	4	0.19
T01	4	0.17
T01	4	0.18
T01	4	0.2
T01	5	0.33
T01	5	0.2
T01	5	0.2
T01	5	0.2
T01	6	0.15
T01	6	0.21
T01	6	0.21
T01	6	0.34
T01	7	0.56
T01	7	0.43
T01	7	0.51
T01	7	0.3
T01	8	0.97
T01	8	0.9
T01	8	0.78
T01	8	0.86
T01	9	0.68
T01	9	0.66
T01	9	0.58
T01	9	0.67
T02	1	0.22
T02	1	0.18
T02	1	0.08
T02	1	0.38
T02	2	0.13
T02	2	0.06
T02	2	0.1
T02	2	0.08
T02	3	0.13
T02	3	0.06
T02	3	0.1
T02	3	0.08
T02	4	0.19

T02	4	0.14
T02	4	0.18
T02	4	0.15
T02	5	0.22
T02	5	0.21
T02	5	0.35
T02	5	0.19
T02	6	0.19
T02	6	0.22
T02	6	0.31
T02	6	0.39
T02	7	0.38
T02	7	0.32
T02	7	0.43
T02	7	0.28
T02	8	0.54
T02	8	0.45
T02	8	0.66
T02	8	0.55
T02	9	0.59
T02	9	0.66
T02	9	0.63
T02	9	0.56
T03	1	0.22
T03	1	0.23
T03	1	0.21
T03	1	0.26
T03	2	0.09
T03	2	0.13
T03	2	0.1
T03	2	0.13
T03	3	0.09
T03	3	0.13
T03	3	0.1
T03	3	0.13
T03	4	0.12
T03	4	0.14
T03	4	0.08
T03	4	0.06
T03	5	0.17
T03	5	0.16
T03	5	0.22
T03	5	0.27
T03	6	0.24
T03	6	0.06
T03	6	0.11
T03	6	0.17
T03	7	0.25
T03	7	0.16
T03	7	0.24

T03	7	0.46
T03	8	0.33
T03	8	0.37
T03	8	0.29
T03	8	0.51
T03	9	0.62
T03	9	0.56
T03	9	0.61
T03	9	0.8
T04	1	0.37
T04	1	0.18
T04	1	0.14
T04	1	0.22
T04	2	0.13
T04	2	0.14
T04	2	0.1
T04	2	0.13
T04	3	0.13
T04	3	0.14
T04	3	0.1
T04	3	0.13
T04	4	0.2
T04	4	0.12
T04	4	0.12
T04	4	0.13
T04	5	0.25
T04	5	0.2
T04	5	0.23
T04	5	0.32
T04	6	0.29
T04	6	0.21
T04	6	0.18
T04	6	0.25
T04	7	0.3
T04	7	0.37
T04	7	0.35
T04	7	0.3
T04	8	0.79
T04	8	0.62
T04	8	0.65
T04	8	0.43
T04	9	0.74
T04	9	0.61
T04	9	0.76
T04	9	1.04
T05	1	0.25
T05	1	0.25
T05	1	0.27
T05	1	0.23
T05	2	0.24

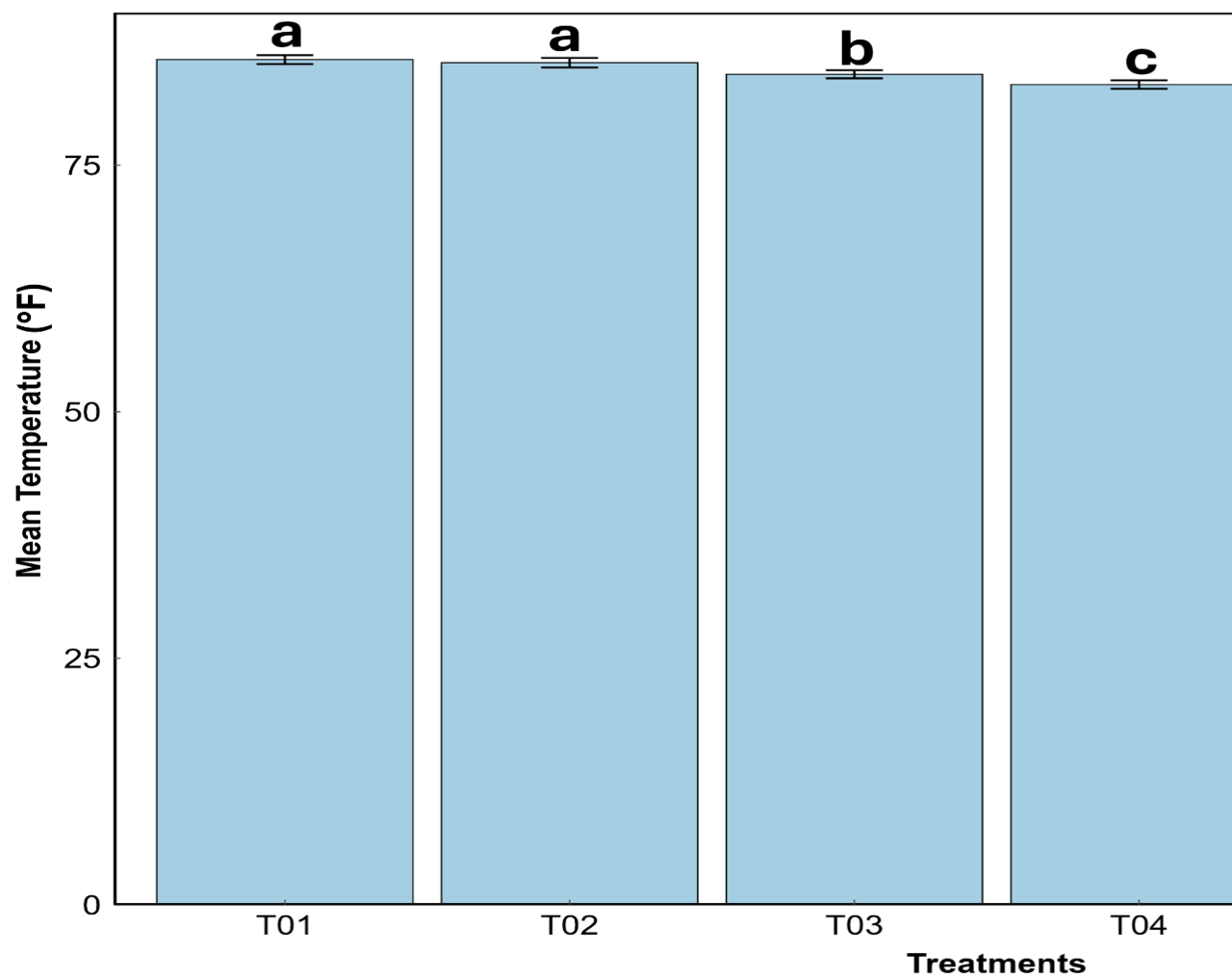
T05	2	0.13
T05	2	0.2
T05	2	0.16
T05	3	0.24
T05	3	0.13
T05	3	0.2
T05	3	0.16
T05	4	0.14
T05	4	0.11
T05	4	0.1
T05	4	0.15
T05	5	0.2
T05	5	0.21
T05	5	0.17
T05	5	0.21
T05	6	0.21
T05	6	0.17
T05	6	0.24
T05	6	0.11
T05	7	0.34
T05	7	0.28
T05	7	0.25
T05	7	0.28
T05	8	0.62
T05	8	0.44
T05	8	0.62
T05	8	0.53
T05	9	0.5
T05	9	0.75
T05	9	0.95
T05	9	0.53
T06	1	0.18
T06	1	0.44
T06	1	0.26
T06	1	0.25
T06	2	0.07
T06	2	0.31
T06	2	0.19
T06	2	0.21
T06	3	0.07
T06	3	0.31
T06	3	0.19
T06	3	0.21
T06	4	0.11
T06	4	0.15
T06	4	0.15
T06	4	0.12
T06	5	0.14
T06	5	0.23
T06	5	0.17

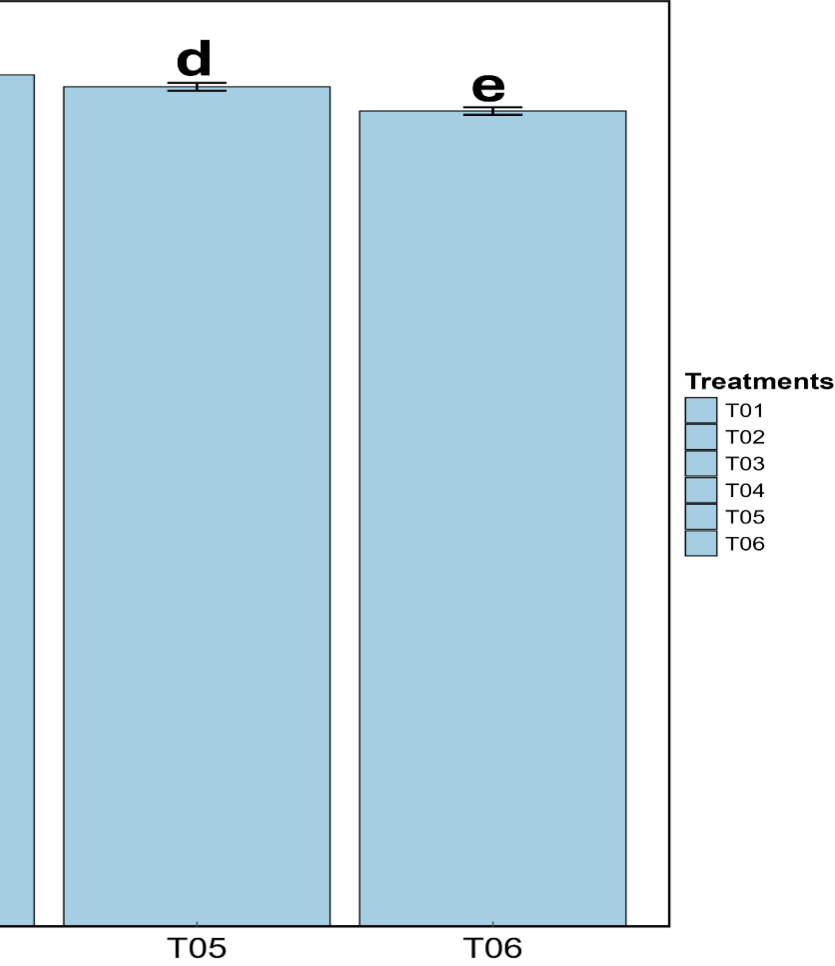
T06	5	0.2
T06	6	0.12
T06	6	0.2
T06	6	0.19
T06	6	0.22
T06	7	0.21
T06	7	0.33
T06	7	0.26
T06	7	0.31
T06	8	0.4
T06	8	0.58
T06	8	0.3
T06	8	0.45
T06	9	0.33
T06	9	0.41
T06	9	0.49
T06	9	0.42

Term	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatments	5	938.4791	187.6958	165.1978	1.07E-61	***
Week	8	946.3768	118.2971	104.1175	7.94E-60	***
Treatments:Week	40	234.9171	5.872928	5.168975	3.15E-14	***
Residuals	162	184.0625	1.136188			

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Group	Letter
T01	a
T02	a
T03	b
T04	c
T05	d
T06	e





Treatments	Week	Temp (°F)
T01	1	87
T01	1	86.2
T01	1	85.9
T01	1	85.8
T01	2	86.3
T01	2	86.1
T01	2	86
T01	2	85.9
T01	3	86.3
T01	3	86.1
T01	3	86
T01	3	85.9
T01	4	84.3
T01	4	84
T01	4	83.8
T01	4	83.6
T01	5	85.1
T01	5	85.4
T01	5	85.4
T01	5	85.4
T01	6	88.7
T01	6	88.5
T01	6	88
T01	6	87.9
T01	7	84.3
T01	7	80
T01	7	82.2
T01	7	81.7
T01	8	89.9
T01	8	91.5
T01	8	91.4
T01	8	91.2
T01	9	82.7
T01	9	82.5
T01	9	82.4
T01	9	82.3
T02	1	83.8
T02	1	84.3
T02	1	84.4
T02	1	84.6
T02	2	85.4
T02	2	85.5
T02	2	85.7
T02	2	85.8
T02	3	85.4
T02	3	85.5
T02	3	85.7
T02	3	85.8
T02	4	82.8

T02	4	82.9
T02	4	83.2
T02	4	83.4
T02	5	84.7
T02	5	84.8
T02	5	85
T02	5	85.2
T02	6	86.2
T02	6	86.2
T02	6	87.7
T02	6	87.8
T02	7	81.6
T02	7	82.6
T02	7	82.9
T02	7	80.9
T02	8	91
T02	8	90.9
T02	8	91.2
T02	8	91.5
T02	9	82.4
T02	9	92.4
T02	9	82.6
T02	9	82.5
T03	1	82.9
T03	1	82.2
T03	1	82.1
T03	1	81.8
T03	2	85.2
T03	2	84.8
T03	2	84.6
T03	2	84.3
T03	3	85.2
T03	3	84.8
T03	3	84.6
T03	3	84.3
T03	4	82.5
T03	4	82.3
T03	4	82.1
T03	4	81.8
T03	5	84.4
T03	5	84.2
T03	5	83.8
T03	5	83.7
T03	6	86
T03	6	86
T03	6	86
T03	6	86
T03	7	82.5
T03	7	82.3
T03	7	82.1

T03	7	80.4
T03	8	90.7
T03	8	88.6
T03	8	89.5
T03	8	90.3
T03	9	82.2
T03	9	82.4
T03	9	82.6
T03	9	82.6
T04	1	79.8
T04	1	80.2
T04	1	80.7
T04	1	81
T04	2	83.6
T04	2	83.8
T04	2	83.9
T04	2	84.2
T04	3	83.6
T04	3	83.8
T04	3	83.9
T04	3	84.2
T04	4	80.5
T04	4	80.8
T04	4	81.1
T04	4	81.4
T04	5	82.8
T04	5	83
T04	5	82.3
T04	5	83.6
T04	6	84.8
T04	6	84.9
T04	6	84.9
T04	6	85.1
T04	7	80.4
T04	7	80.8
T04	7	81.1
T04	7	80.3
T04	8	87.4
T04	8	88
T04	8	89
T04	8	91
T04	9	82.1
T04	9	82
T04	9	82.1
T04	9	82.4
T05	1	78.9
T05	1	78.6
T05	1	78.2
T05	1	78
T05	2	83.2

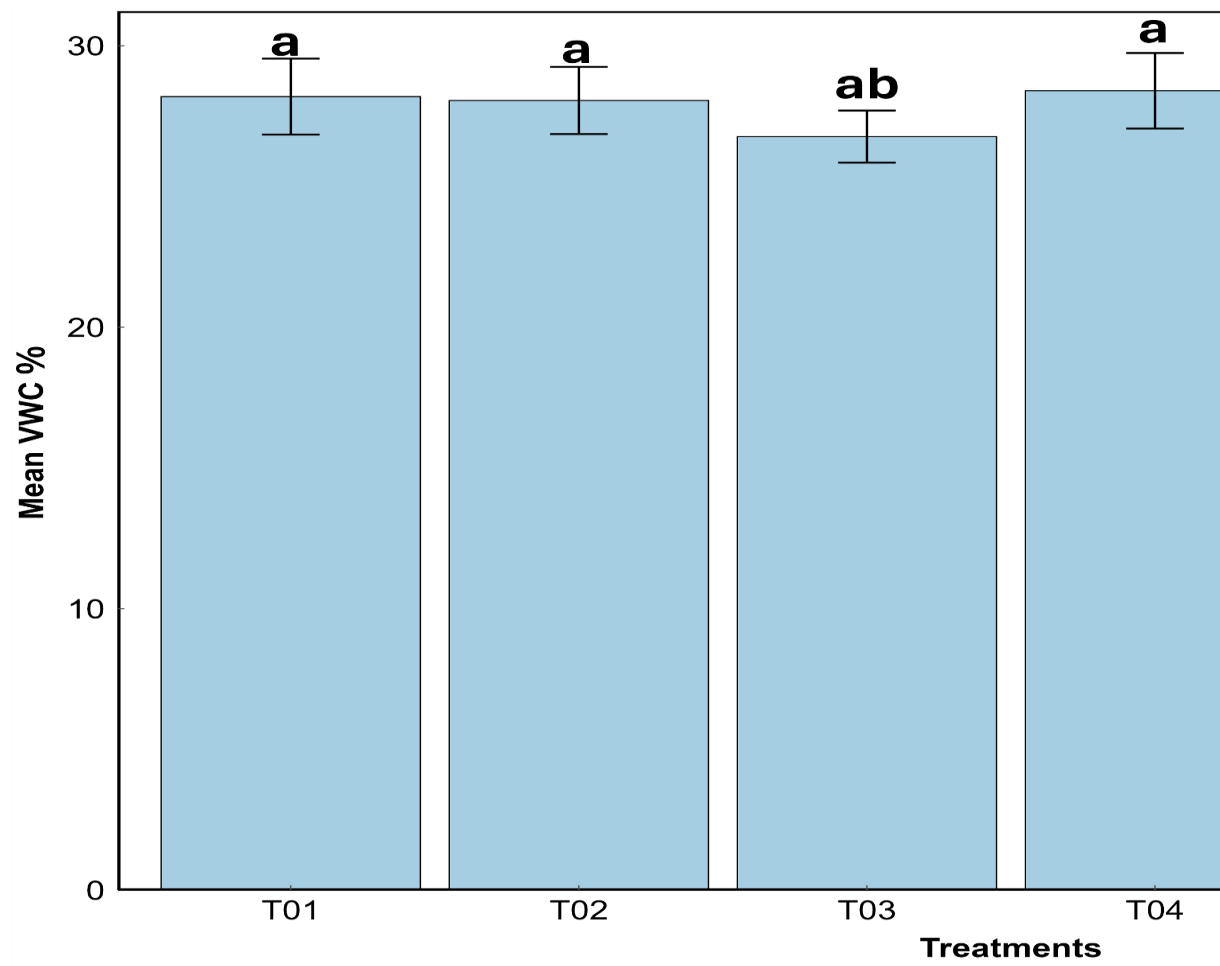
T05	2	83.1
T05	2	82.2
T05	2	82.1
T05	3	83.2
T05	3	83.1
T05	3	82.2
T05	3	82.1
T05	4	80.1
T05	4	80
T05	4	79.8
T05	4	79.6
T05	5	82.6
T05	5	82.4
T05	5	82.2
T05	5	82.1
T05	6	84.3
T05	6	83.7
T05	6	83.5
T05	6	81.7
T05	7	80.1
T05	7	81
T05	7	79.7
T05	7	81.4
T05	8	86.9
T05	8	86.9
T05	8	86.9
T05	8	86
T05	9	82.2
T05	9	81.5
T05	9	81.4
T05	9	81.4
T06	1	73.5
T06	1	74.7
T06	1	75.8
T06	1	77.6
T06	2	80.4
T06	2	80.6
T06	2	80.8
T06	2	81.1
T06	3	80.4
T06	3	80.6
T06	3	80.8
T06	3	81.1
T06	4	77.1
T06	4	78.3
T06	4	78.9
T06	4	79.2
T06	5	80.6
T06	5	80.8
T06	5	81.4

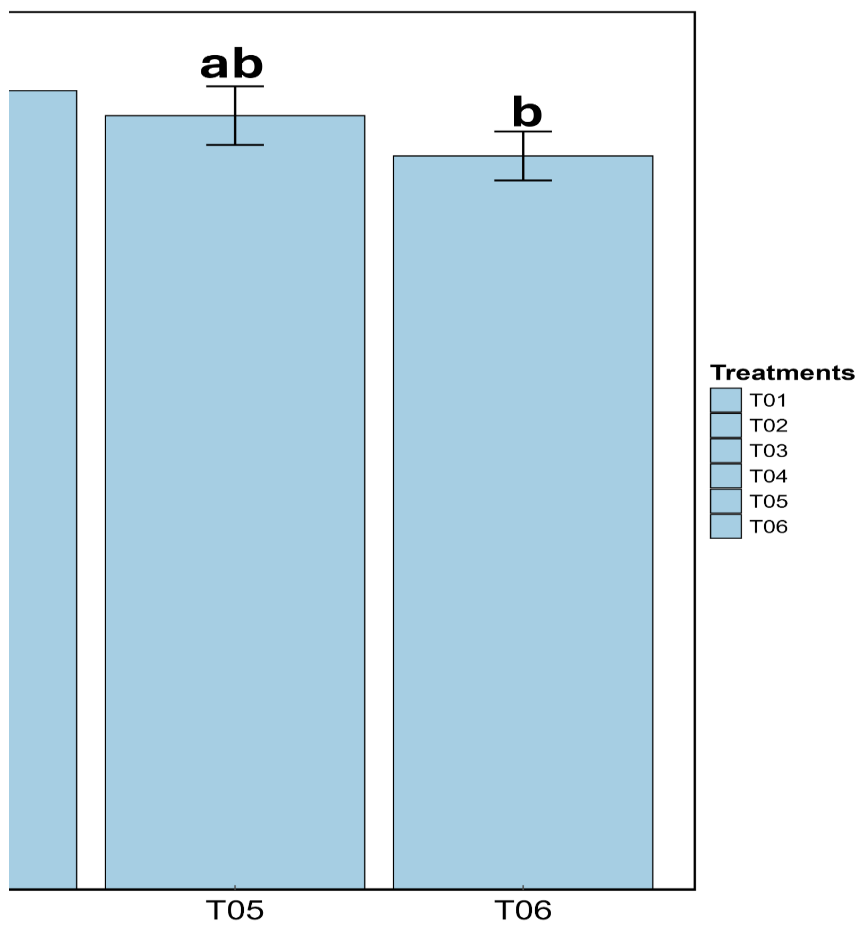
T06	5	81.7
T06	6	78
T06	6	78.8
T06	6	79.6
T06	6	80.5
T06	7	77
T06	7	79.1
T06	7	80.2
T06	7	82.4
T06	8	76.4
T06	8	81.2
T06	8	82.2
T06	8	83.9
T06	9	79.9
T06	9	80.4
T06	9	81
T06	9	81.3

Term	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatments	5	148.8552	29.77105	3.732963	0.003171	**
Week	8	7761.427	970.1784	121.6498	1.95E-64	***
Treatments:Week	40	707.6783	17.69196	2.218378	0.000258	***
Residuals	162	1291.979	7.975177			

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Group	Letter
T04	a
T01	a
T02	a
T05	ab
T03	ab
T06	b





Treatments	Week	VWC (%)
T01	1	28.8
T01	1	25.1
T01	1	30.6
T01	1	30.9
T01	2	20.7
T01	2	18.7
T01	2	19.5
T01	2	20.7
T01	3	20.7
T01	3	18.7
T01	3	19.5
T01	3	20.7
T01	4	23.7
T01	4	19.7
T01	4	20.5
T01	4	22.1
T01	5	27.2
T01	5	21.1
T01	5	24.8
T01	5	25.2
T01	6	22
T01	6	23.4
T01	6	22.7
T01	6	26.1
T01	7	35.8
T01	7	34.2
T01	7	36.1
T01	7	38.1
T01	8	40.6
T01	8	40.9
T01	8	37.3
T01	8	44.3
T01	9	41.6
T01	9	38
T01	9	38
T01	9	37
T02	1	24.3
T02	1	28
T02	1	16.6
T02	1	35.8
T02	2	25
T02	2	19.8
T02	2	22.6
T02	2	19.5
T02	3	25
T02	3	19.8
T02	3	22.6
T02	3	19.5
T02	4	26.8

T02	4	19.4
T02	4	24
T02	4	20.2
T02	5	27.8
T02	5	27.8
T02	5	31.6
T02	5	23.9
T02	6	19.4
T02	6	23.3
T02	6	25.3
T02	6	29.9
T02	7	28.4
T02	7	30.2
T02	7	38.1
T02	7	32.8
T02	8	36.7
T02	8	35.2
T02	8	41.4
T02	8	38.4
T02	9	36.3
T02	9	40.8
T02	9	37.9
T02	9	35.9
T03	1	29.2
T03	1	27
T03	1	28.1
T03	1	29
T03	2	20
T03	2	21.8
T03	2	20.7
T03	2	27.8
T03	3	20
T03	3	21.8
T03	3	20.7
T03	3	27.8
T03	4	20.4
T03	4	22.5
T03	4	17.9
T03	4	19.6
T03	5	24.6
T03	5	22.8
T03	5	24.8
T03	5	25.9
T03	6	28.9
T03	6	19.7
T03	6	22.6
T03	6	24.3
T03	7	30.9
T03	7	29.6
T03	7	30

T03	7	31.2
T03	8	33.1
T03	8	32.8
T03	8	32.9
T03	8	34.6
T03	9	36.9
T03	9	32.4
T03	9	31.8
T03	9	39.7
T04	1	33.1
T04	1	24.5
T04	1	22.6
T04	1	26.1
T04	2	20.1
T04	2	21
T04	2	19.2
T04	2	19.4
T04	3	20.1
T04	3	21
T04	3	19.2
T04	3	19.4
T04	4	22.1
T04	4	21.6
T04	4	19.6
T04	4	18.8
T04	5	27.2
T04	5	24.3
T04	5	25.1
T04	5	28.6
T04	6	31
T04	6	25.5
T04	6	24.6
T04	6	29.2
T04	7	36.4
T04	7	35.4
T04	7	35.1
T04	7	32.5
T04	8	41.3
T04	8	37.7
T04	8	39.6
T04	8	36.1
T04	9	41.5
T04	9	39.4
T04	9	38.5
T04	9	45.7
T05	1	28.2
T05	1	28.9
T05	1	28.7
T05	1	28.9
T05	2	24.2

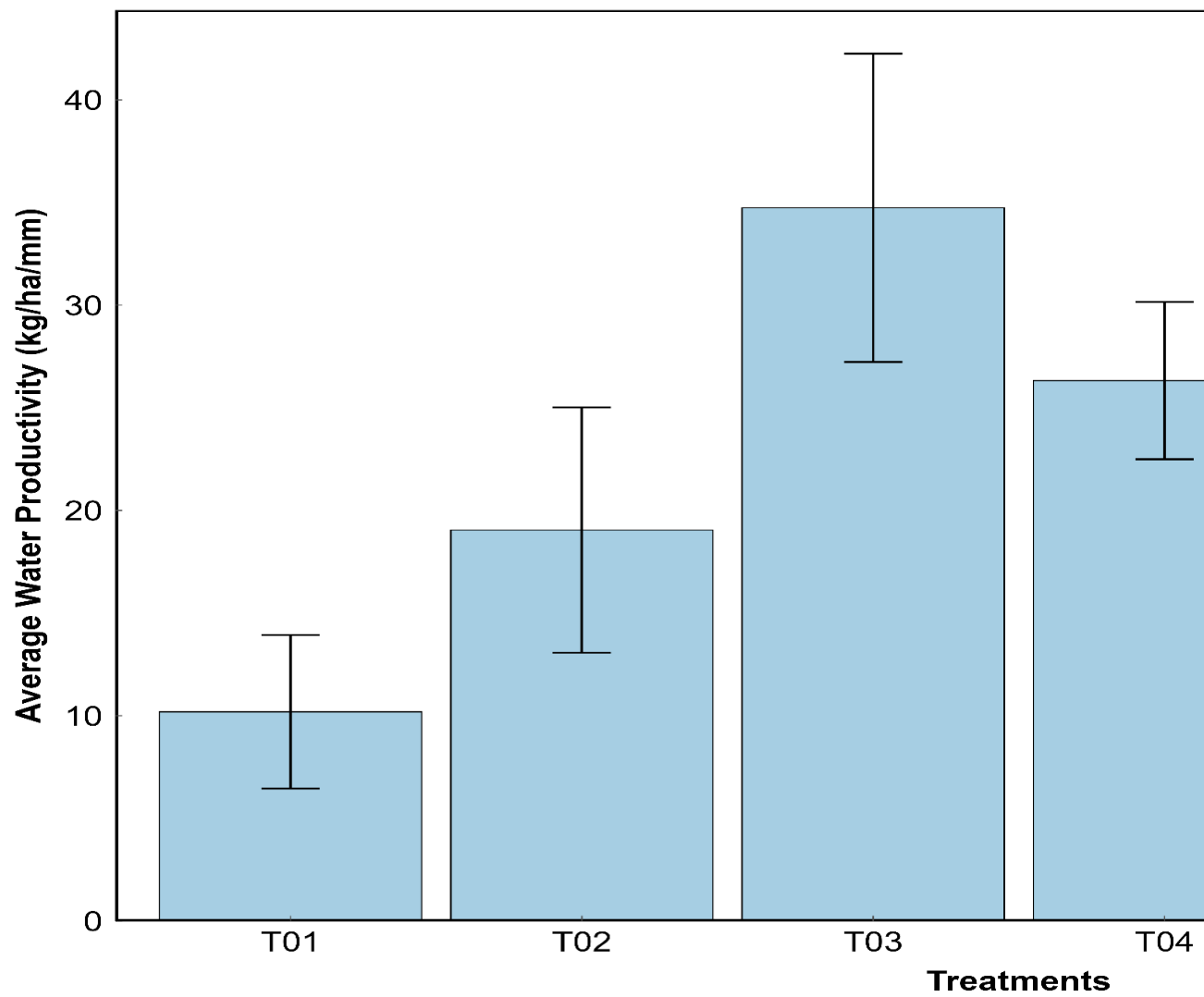
T05	2	19.2
T05	2	23.05
T05	2	21.7
T05	3	24.2
T05	3	19.2
T05	3	23.05
T05	3	21.7
T05	4	23.5
T05	4	21.5
T05	4	20.7
T05	4	23
T05	5	23.5
T05	5	25.6
T05	5	24.1
T05	5	24.3
T05	6	22.9
T05	6	21.6
T05	6	27
T05	6	24.7
T05	7	30.7
T05	7	30.1
T05	7	32.8
T05	7	28.8
T05	8	36
T05	8	32.2
T05	8	38.1
T05	8	33
T05	9	33.3
T05	9	42.6
T05	9	43
T05	9	36.7
T06	1	26.3
T06	1	33.2
T06	1	33.2
T06	1	29.9
T06	2	15.5
T06	2	26.5
T06	2	22.3
T06	2	25.5
T06	3	15.5
T06	3	26.5
T06	3	22.3
T06	3	25.5
T06	4	18.3
T06	4	17.7
T06	4	21.7
T06	4	18.4
T06	5	23.6
T06	5	25.6
T06	5	22.3

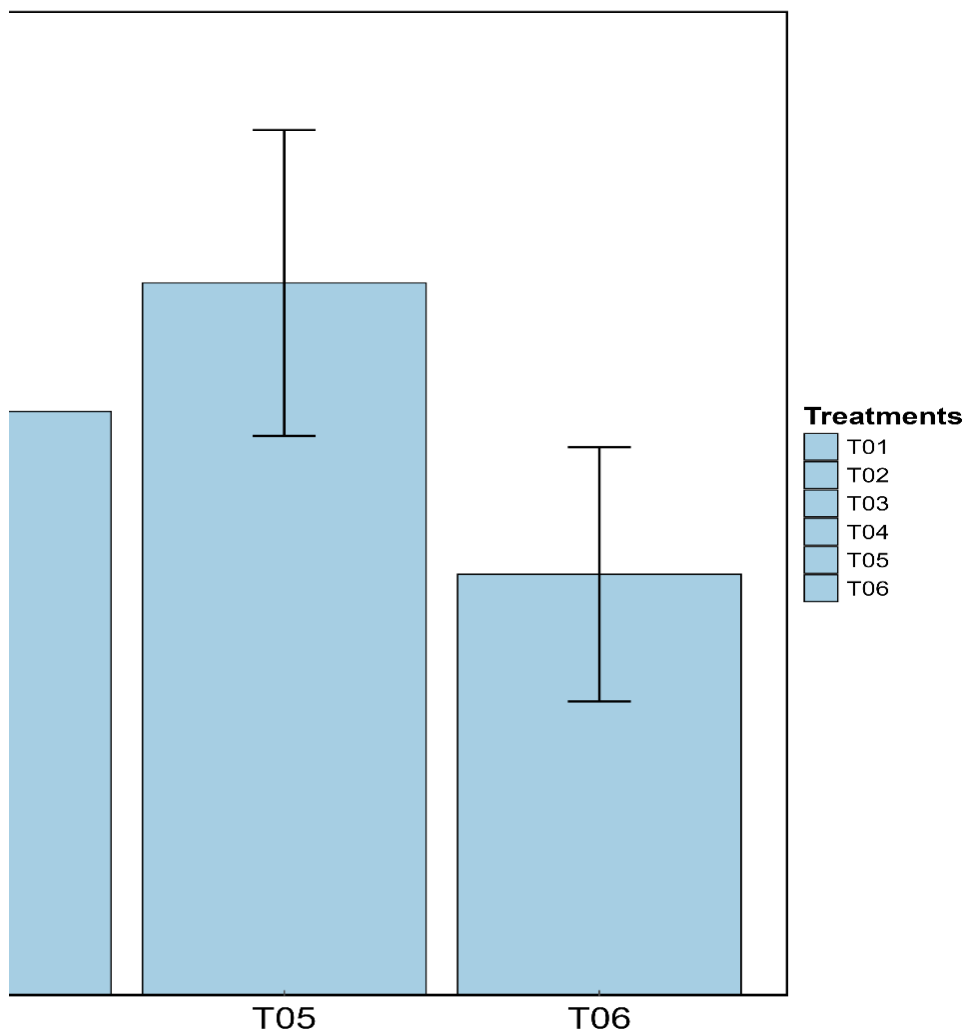
T06	5	22.7
T06	6	23.2
T06	6	22.9
T06	6	24.5
T06	6	26.9
T06	7	28.6
T06	7	28.6
T06	7	27.7
T06	7	28.9
T06	8	31.9
T06	8	32.6
T06	8	28.2
T06	8	35
T06	9	31.3
T06	9	32.3
T06	9	30.7
T06	9	33.3

Term	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Treatments	5	1704	340.8	2.542	0.0657 .
Residuals	18	2413	134.1		

signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Group	Letter
T01	a
T02	a
T03	a
T04	a
T05	a
T06	a



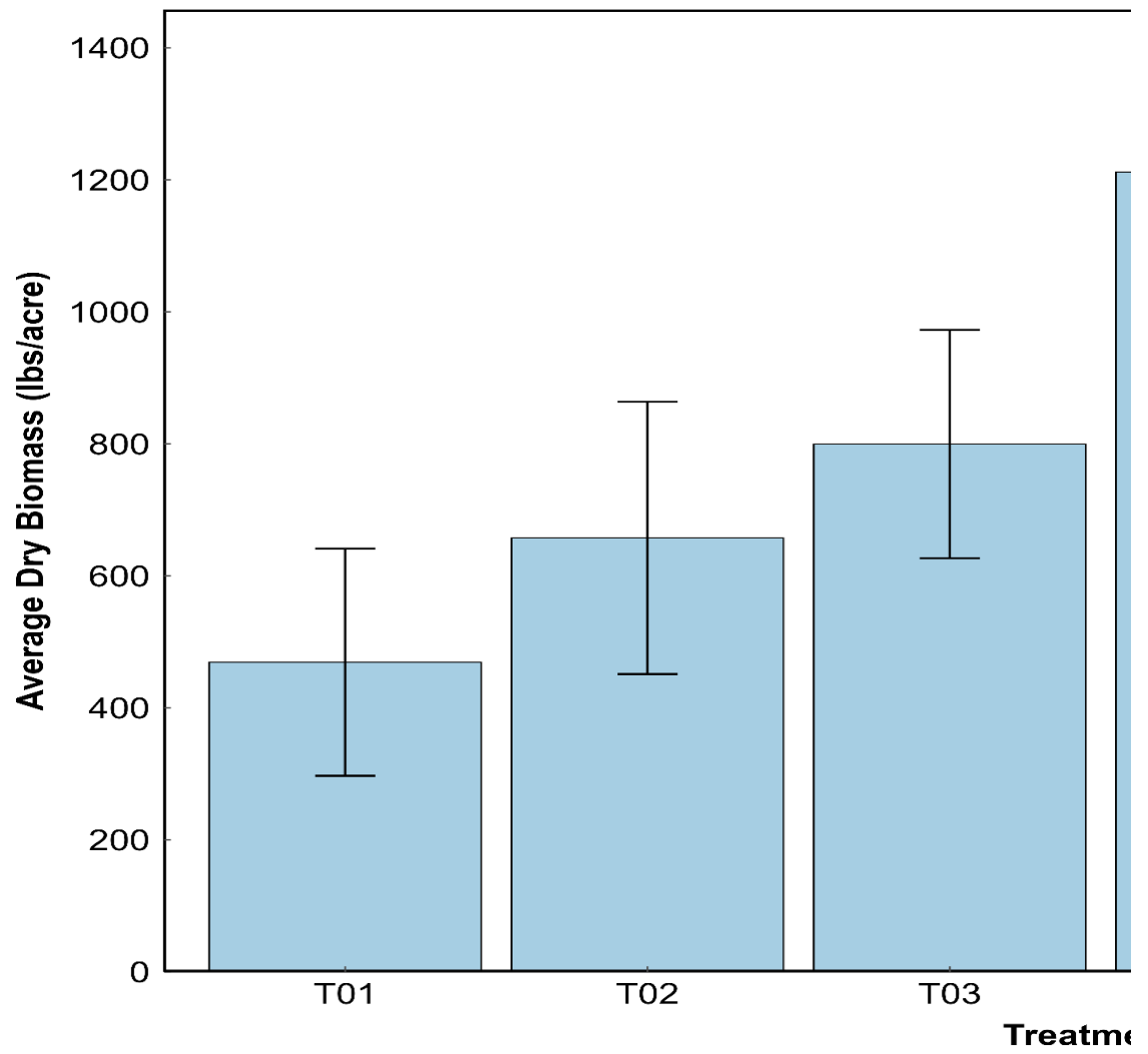


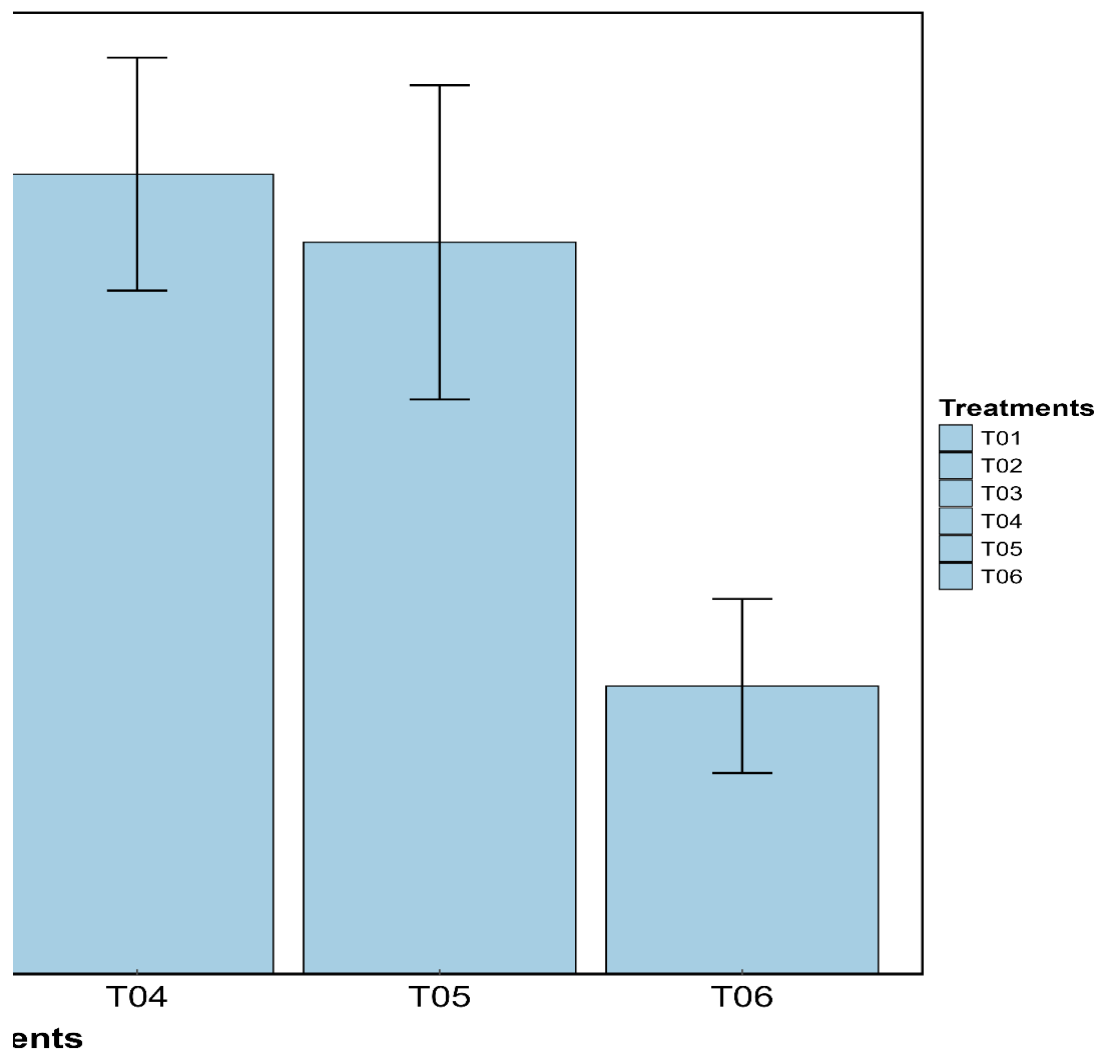
Treatments	Block	WP_kg_ha_mm
T01	1	20.69175023
T02	1	34.17741829
T03	1	56.82510511
T04	1	34.58919441
T05	1	45.29537365
T06	1	22.85357488
T01	2	9.26496279
T02	2	18.11814945
T03	2	27.79488837
T04	2	27.79488836
T05	2	26.76544806
T06	2	16.05926884
T01	3	7.720802325
T02	3	18.9417017
T03	3	23.47123907
T04	3	26.86839209
T05	3	41.1776124
T06	3	32.11853767
T01	4	3.08832093
T02	4	4.941313487
T03	4	30.8832093
T04	4	16.05926883
T05	4	15.23571659
T06	4	4.941313489

Term	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Treatments	5	2096923	419385	3.037	0.0368 *
Residuals	18	2485349	138075		

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Groups	Letter
T01	a
T02	a
T03	a
T04	a
T05	a
T06	a





Treatments	Block	Dry Biomass_kg_ha	
T01	1	1058.627183	T01
T02	1	1311.433675	T02
T03	1	1453.637326	T03
T04	1	1769.64544	T04
T05	1	1738.044629	T05
T06	1	584.6150116	T06
T01	2	474.0121715	
T02	2	695.2178516	
T03	2	711.0182573	
T04	2	1422.036514	
T05	2	1027.026372	
T06	2	410.8105487	
T01	3	395.010143	
T02	3	726.8186631	
T03	3	600.4154173	
T04	3	1374.635297	
T05	3	1580.040572	
T06	3	821.6210973	
T01	4	158.0040572	
T02	4	189.6048686	
T03	4	790.0202859	
T04	4	821.6210973	
T05	4	584.6150116	
T06	4	126.4032458	

Mean

521.4134

730.7688

888.7728

1346.985

1232.432

485.8625