

ff%LFA) LUbXgc] ZWā dcgff%LFA *L"5""dUb]b['a YXUkYfYf lled
]bte" S'W "3 ") 'W' VUW'dc nVU gcbj # 'fUjc": cf hYWbfc žg:]
UcbYk]h ci hUmZfH] nM' fYUa Ybh kUg i gX" Hcd' gc]' i gX kUg
HJ Yb UhiUXdh 'cZS!%\$W žUf!X]YXUbXgYj YXh fci [\) 'a a 'a Yg
ghYc fYā cj YU' d'UbhXVM]gžg:] 'Vc[gUbXgcbYg]b'cfXf'lc'cVU]bU
fne]h"5""chYf'a YXUWā V]bU]cbg]b h'Yf'fYgdW]j YfU]cgkYf
hcfci [\ nra]] YX"; Yfa]bU]Xbi lgdfcWfYXZca 'C]' DUa F'YgUfW
-bg]h hYfCDF=LkYfYd'UbhXcb'hY% '5i [i gi&S%]b'dc nVU gflled
k]h' h'Y different [fckh' a YXU' T' e' dc nVU g k]h' [fckh' a YXU
kUMfX UbX kUM' lef' lc' gthY Zcf' & \ci fg VZfY gYX'Yg kYfY
d'UbhX]b h'Ya]XXYcZYUW'dc nVU "Dc nVU gk YfYfUbgZffYXlc h'Y
bi fgYfng]hā ci bhXcb Vā Vcc'd'Uzfa gte Uj c]Xfch' gc]' WbHUM
k]h' h'Y]bgh' gc]' k]h' dclgglUWX&S'W' UdUf'

T' e' gYX]b[g' gU]X Uih'Y bi fgfmZcf' gYj Yb' a cbhg UbX kYfY
kUMfX h'c' hā Yg UkYY' Uih'S', ']fYg cZkUM#gYX]b['lc' Ybg fY
cd]hā i a 'a c]gi fY'Y YgUfYa U]b]bYX' Dc nVU gk YfY \UbXk YXX
fY[i 'Uf mte' dYj Ybh kYXg Zca 'gžj]b['Ug \cgh'lc' dYg UbX Ug
Wā dH]b['k]h' h'Y gYX]b[g'Zcf' bi f]Yb]g'; fci bXk YXg kYfY Ug
Wbfc' YXk]h' Ucb]gY]j Y \YfV]X? UuW Uih' S'a 'g#) ']fYg cZ
kUM' T' e' fYUa Yb]g kYfY UfU]b] X]b' UfU]Xca]nX Wā d'YfVcW
Xg]b' k]h' h'fYf Yd]W]cbg k \YfY YUW' d'ch Wb]b]bYX' h'Yj Y
gYX]b[g' T' e' [fckh' cZgYX]b[g' kYfYa cb]lc'fYXZcf' gYj Yb' a cbhg
af' er' d'Ub]b['Vn'fYfX]b['h'Yj Y]YU]j Y [fckh']bW]X]b[[]f]h' gnyž
Wcfcd'nžd'Ubh' Y] [\h'UbXh'cU' YZUfYU' T' e' gc]' Uā YbXX [fckh'
a YXUk YfY gbh'lc' 'UcfUcfmte' UbngY h'Y d'ng]W' UbX Wā]W
Wbh]b]g' Uih'Y V]]b]b['cZ h'Y Y dY]a Yb] @UZ glā d'Yg kYfY
\Uj YgX Zcf' bi f]Yb]b]Ubngg Uih'Y YbX cZ h'Y gh' Xn: cf 'Vca Ugg
U'cV]cbžh'Yi ddYf' g'cchUbX' ck Yf' g'cclgk YfY g'dUfU]XUbXX]YX
Uih'S'7]b' Ub' cj Yb' i b]j' Wbg]Ubh'k Y] [\hk Ug'cVU]bYX' D'Ubh'bi f]Yb]h
i dH]YZca 'YUW [fckh' a YXUk Ug' Ug' Xh'fa]bYX Uih'Y YbX cZ h'Y
gh' Xn' g]b['h'Y Yei U]cb/
8A M^o BI H7CB7#&S

Media	Bulk density g/cm ³	Water holding capacity (%)	pH	E.C (dS/m)	N (%)	P (%)	K (%)
M1	0.98	35.00	5.8	0.24	0.89	0.05	0.34
M2	0.63	83.60	7.3	3.00	0.78	0.05	1.14
M3	0.66	89.80	7.0	1.50	1.55	0.80	0.13
M4	0.67	91.70	7.1	2.50	2.26	0.89	1.63
M5	0.64	84.00	6.8	1.20	0.53	0.05	0.19
M6	0.78	81.70	7.2	1.90	1.23	0.72	0.14

Vi _ : Xbghā g]hUY d
dfca chX'hYUgcfdhjcb
T ese' d'Ubi bi h]Ybgl d
WbhhbhUbXhU'Yf' d'Ubg
UbXdfcXi WX'hY\]\ 'g
hYgc]'`cb'nfhYUa Ybh'Q
k\`c'cVgfj YXsignif cant
fchXfnk Y]\hg'UbXlcH
Ufyg' hcZ'ck Vi _ Xbgl
fUb[Y cZ*', žk\`yb' VlcV
a YXU'Qa]'Uf'nāGi f_Yy
fYUz'g'ā Xfna UHF/Ub
Udd]YX" 6]cWf' ja dfo
fyd'Yb]g'a Ybh' Gc]']bW
b]fc[Yb' fBEUbXUj Uf]Y
hYgc]' i dcb'h YfYa cj U

k Uhf' \c'X]b[' WdUWm hUh
]cb'cZbi h]Ybgl'c'hYg'cch
f' YUZ fYUz \]\ 'W'cfd\m
X [fYUhf' d'c'c'g'bh Y]WfYUz
]UbhXfnk Y]\hg'Wā dUfYXlc
k YfYfWfX'X'vni?i a U' Q%Q
ZfYUz'd'Ubi\Y]\lž'g'cchUbX
cXi W]cb'cZd'UbH]b'g WYf'Ug
Uhf'\c'X]b[' WdUWm UbXUd<
cgik YfY UXXX'lc'hY [fck'h
hXUsignif cant]bWUg'Y]b'YUZ
hf'cZ'W]cb'k\`yb' VlcWuf'k Ug
f]Ybh' \c'X]b[' WdUWm UbX
]cWuf' f]bg'Uhg' 7UfVcb' fV'z
f]Ybgl'h UfYfY hUfUXX Zca
Z%Q

TRTS	Plant (cm)	er	Leaf area (cm ²)	Total plant dry weight(g)
M1	42.2		175.7	18.36
M2	54.5		407.5	32.29
M3	47.4		341	24.77
M4	57.6		444.6	40.03
M5	55.8		427.4	38.54
M6	49.8		379	31.54
LSD (P 0.05)	0.62		2.57	0.38

, " E i U ` M H f % -) L D U a ` _ Y b Y ` g Y g f D ? G L U b X 7 c W d Y U h U g `] [\ h i k Y] [\ h
d U b] [