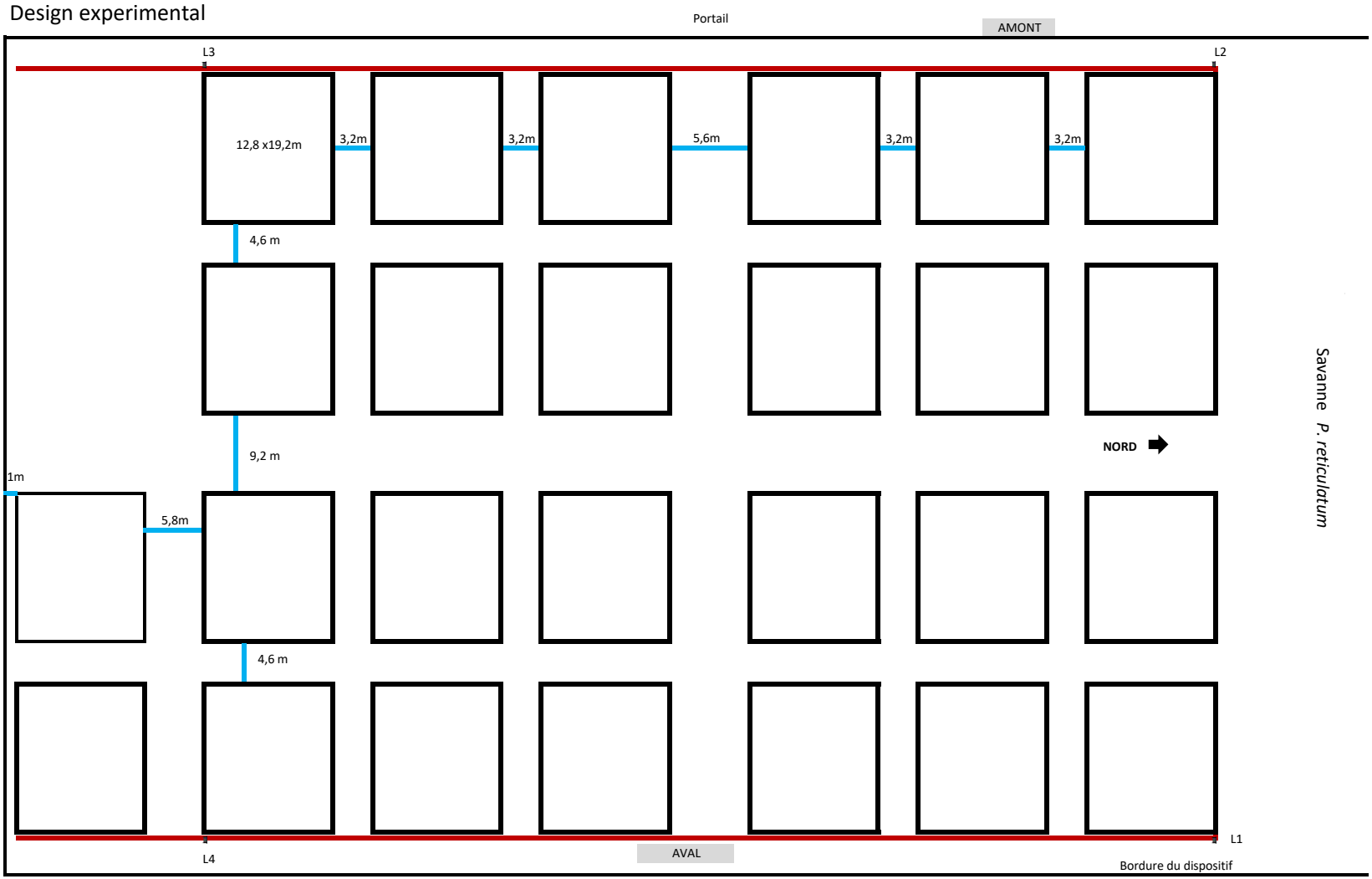
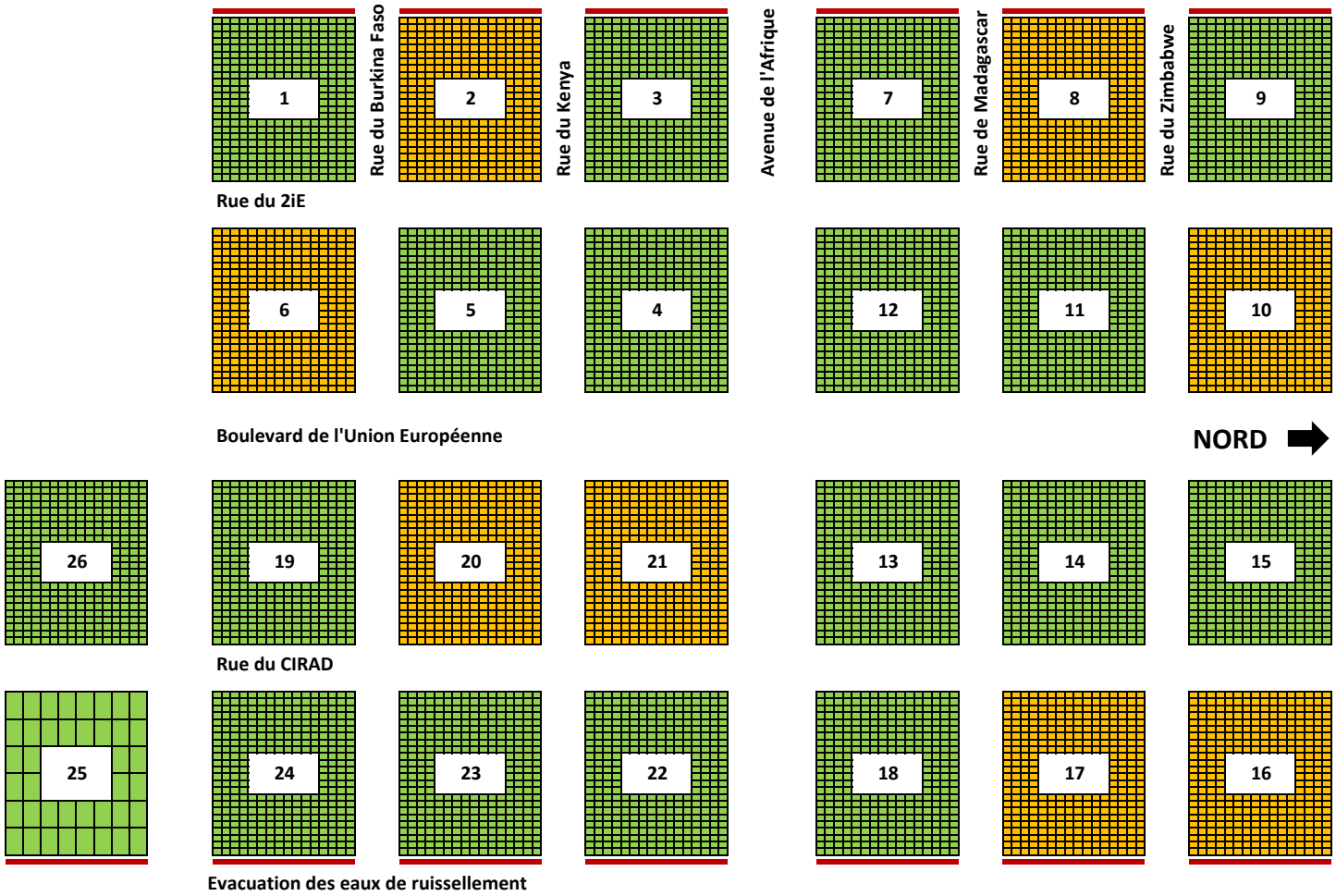
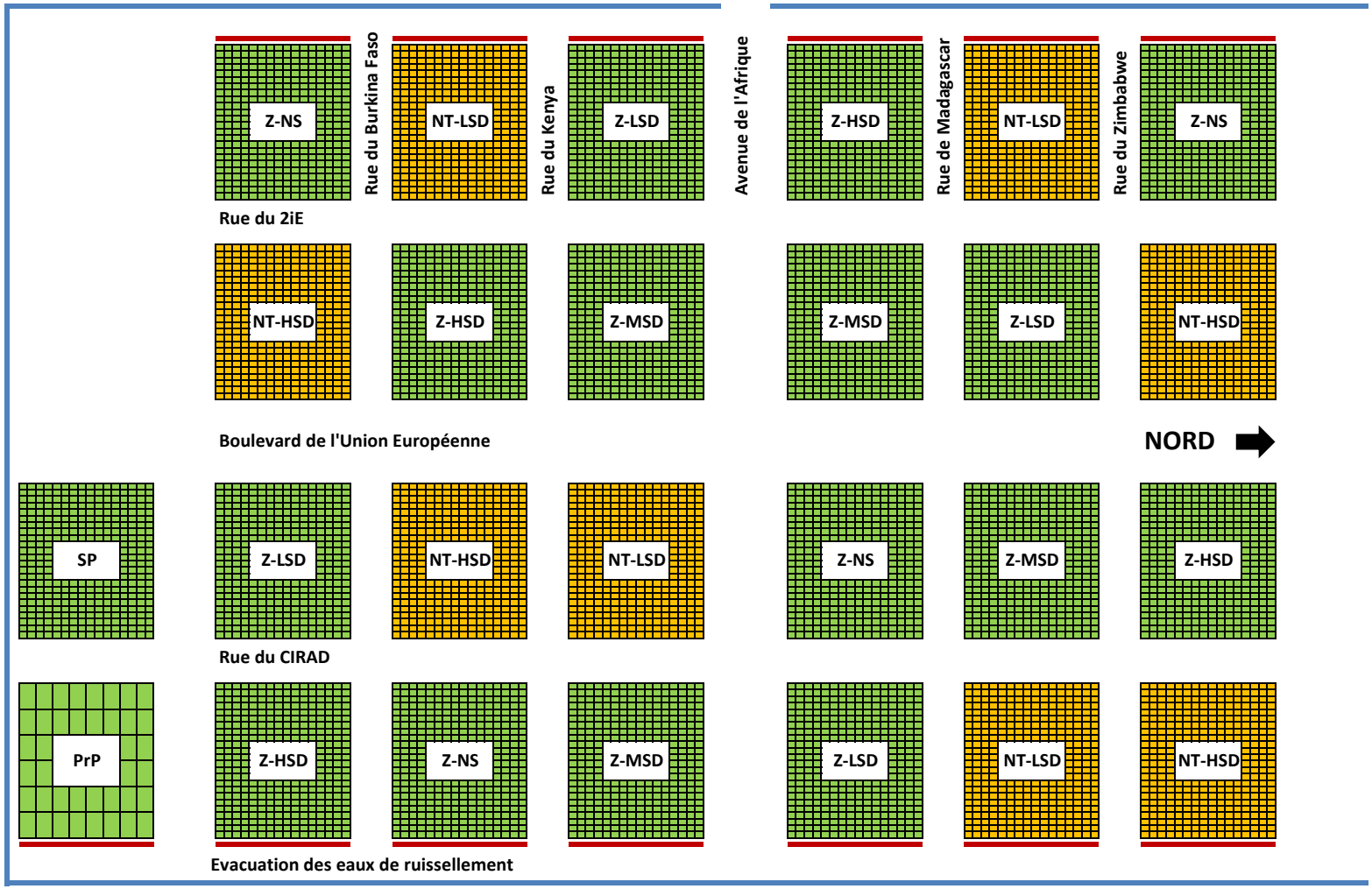
Design experimental



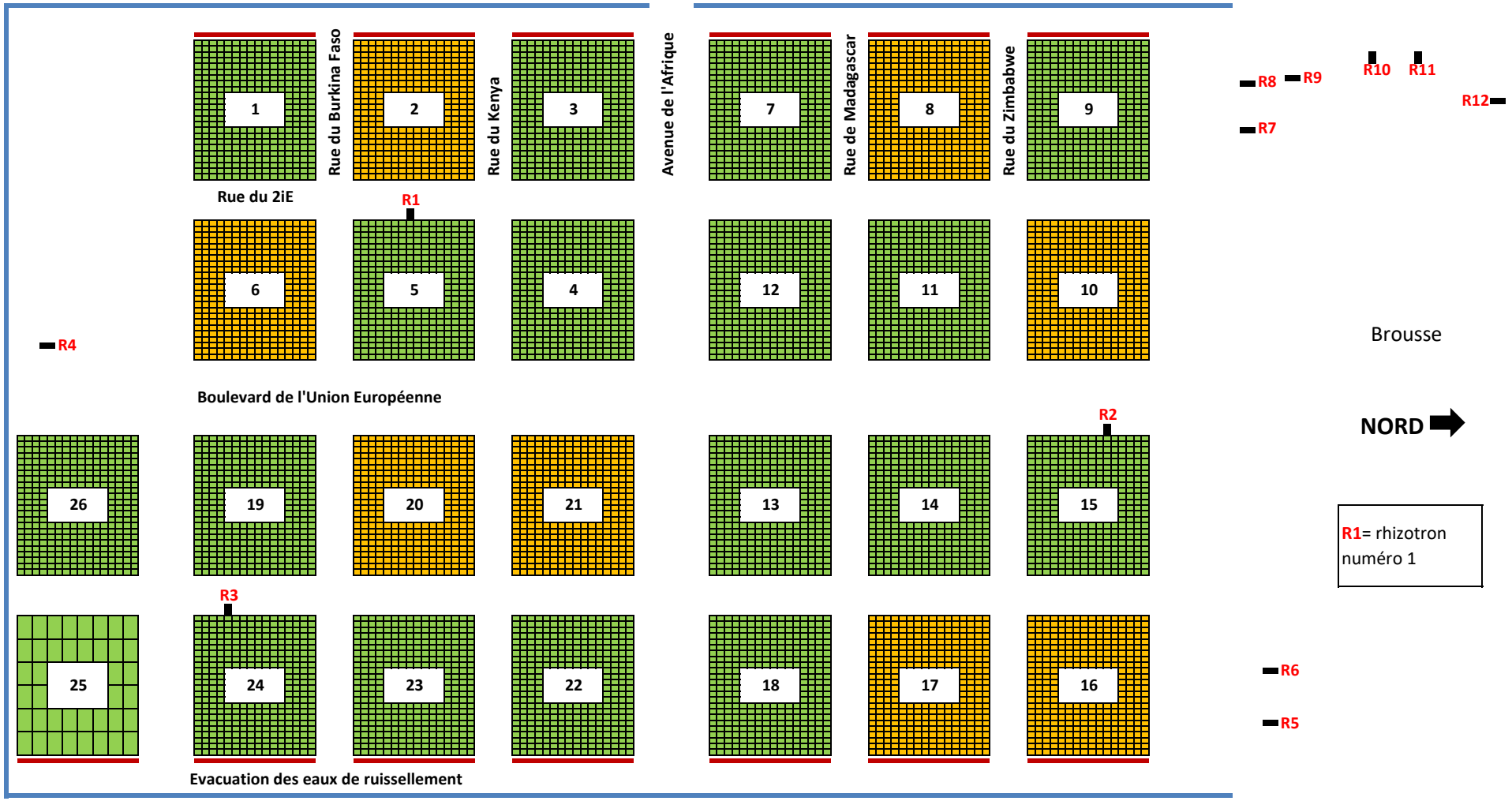
Numérotation des parcelles élémentaires



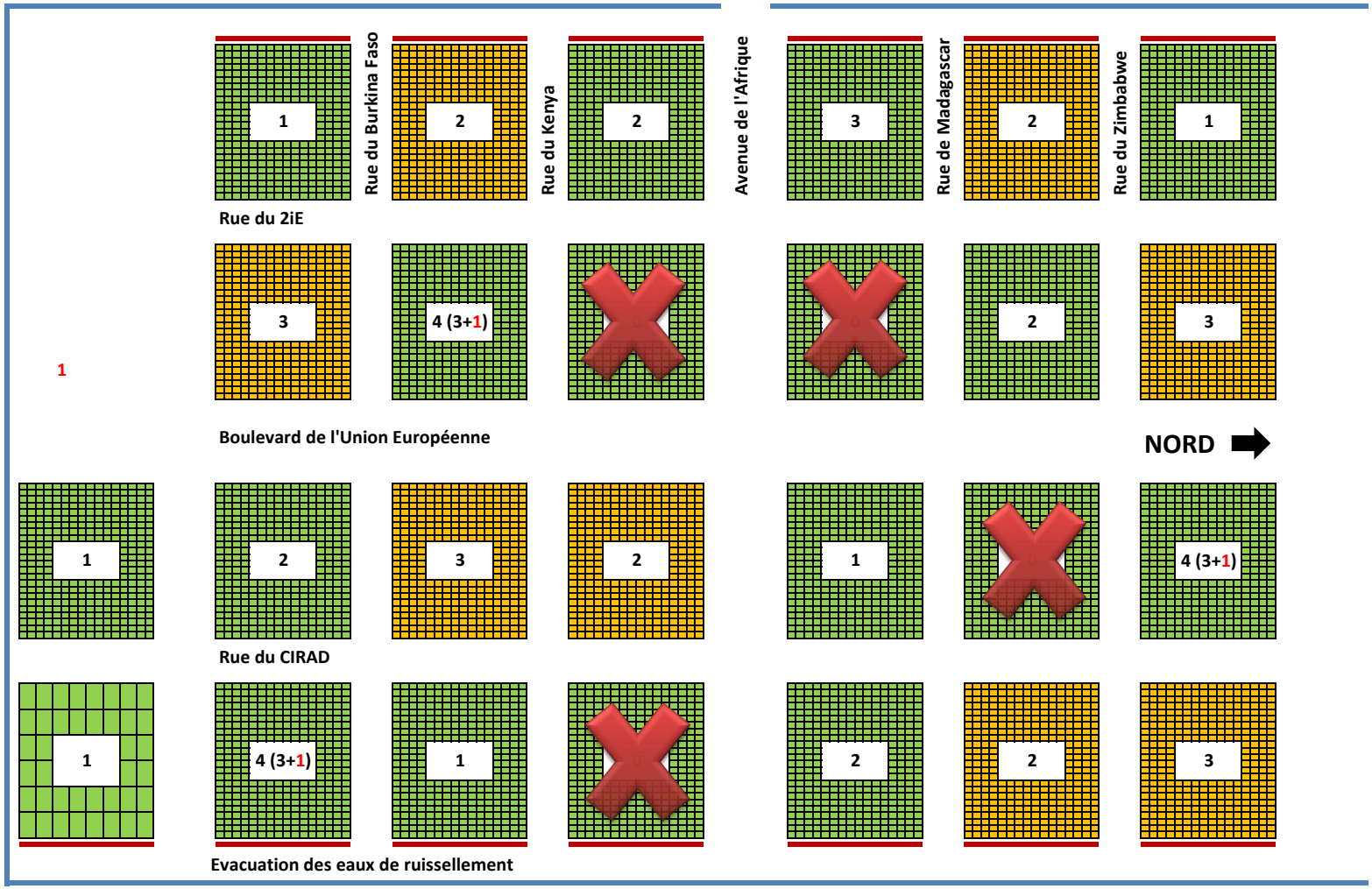
Blocs/Traitements



Localisation et Numérotation des Rhizotrons



Nombre et localisation des tubes de suivi hydrique




1 1 1 1 1

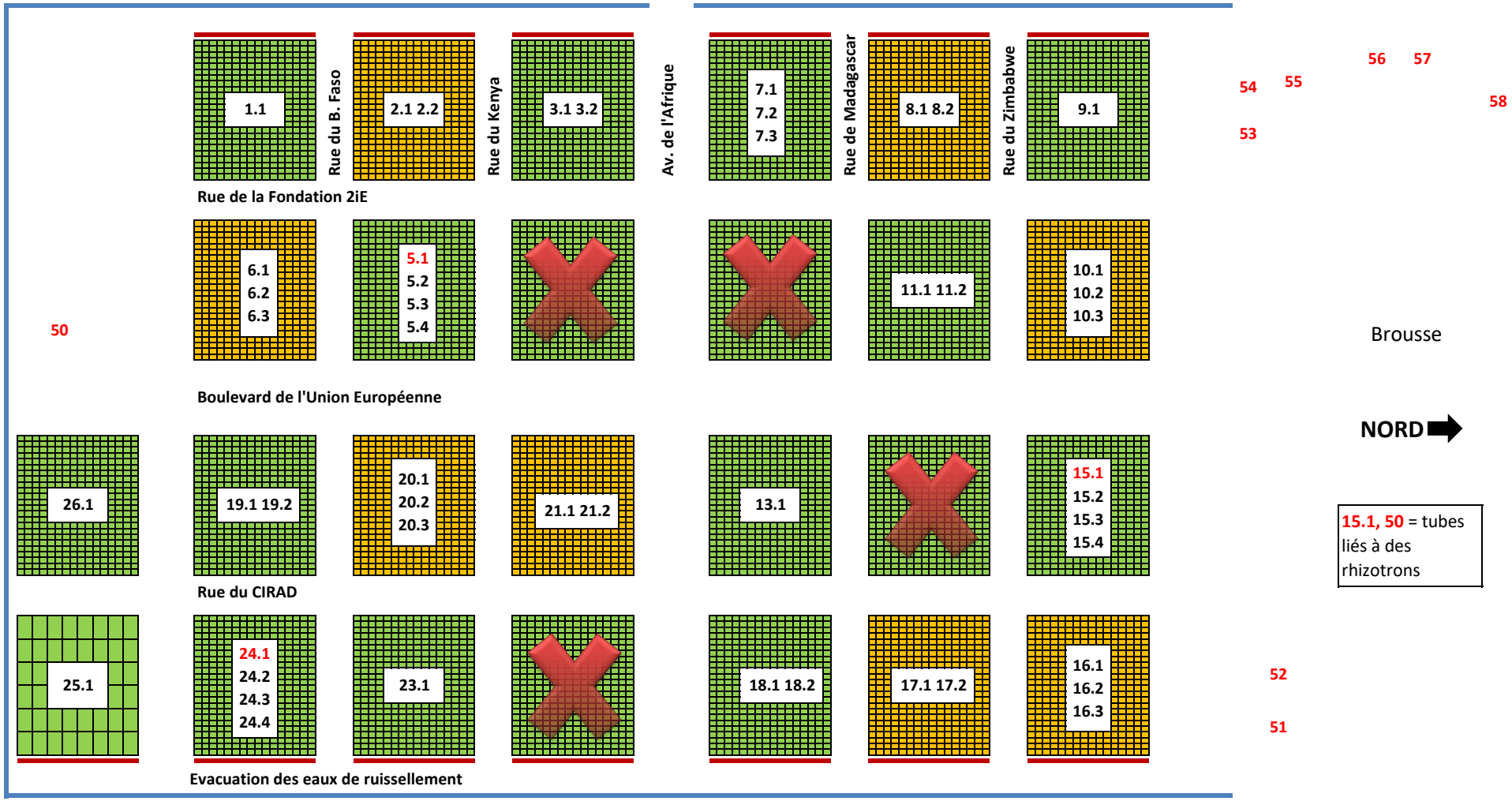
1

Brousse

1 1

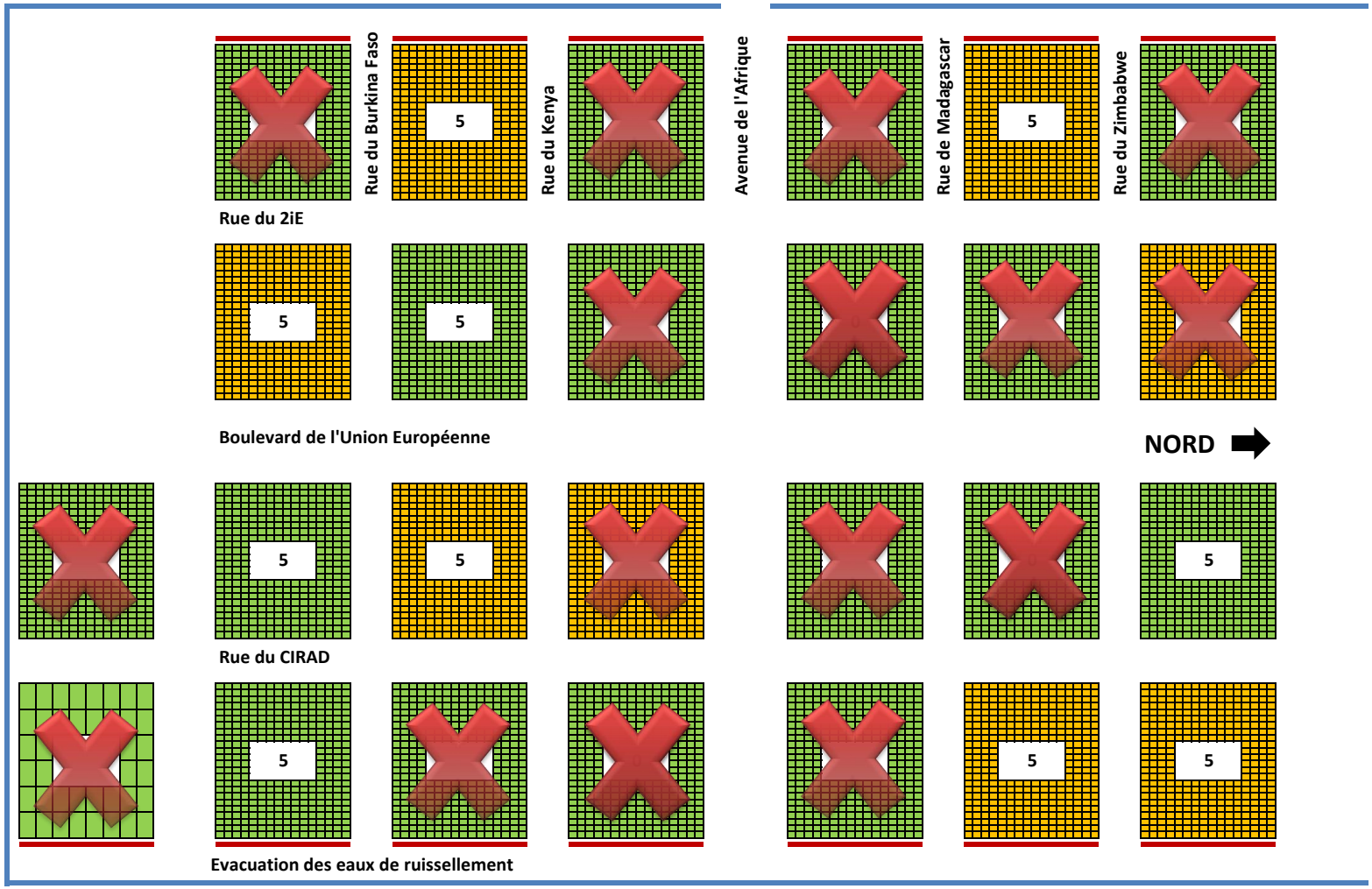
1= tube lié à un rhizotron

Numérotation des tubes d'accès de suivi hydrique, pour les détails voir feuilles des parcelles




N

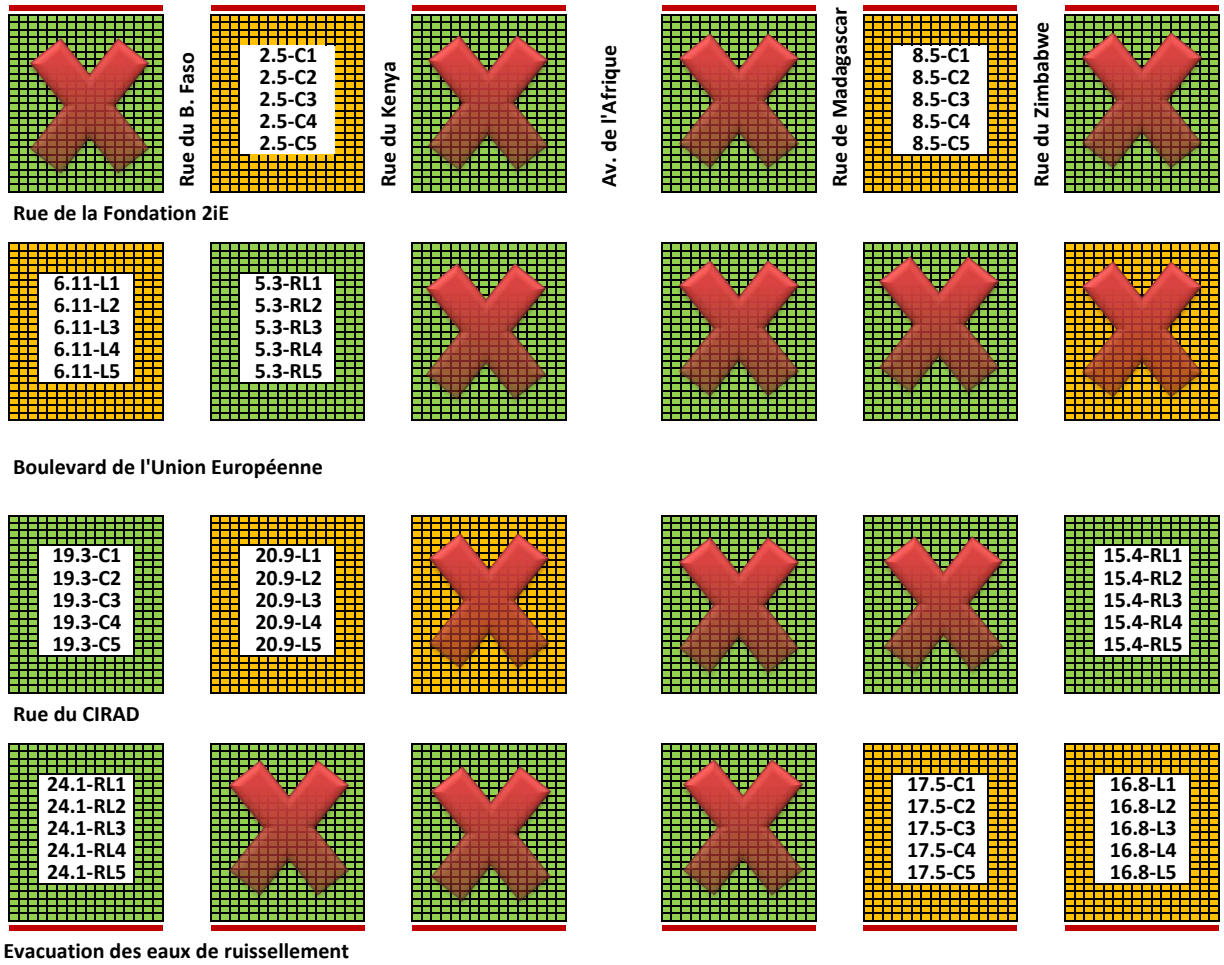
Nombre et localisation des tubes de suivi hydrique



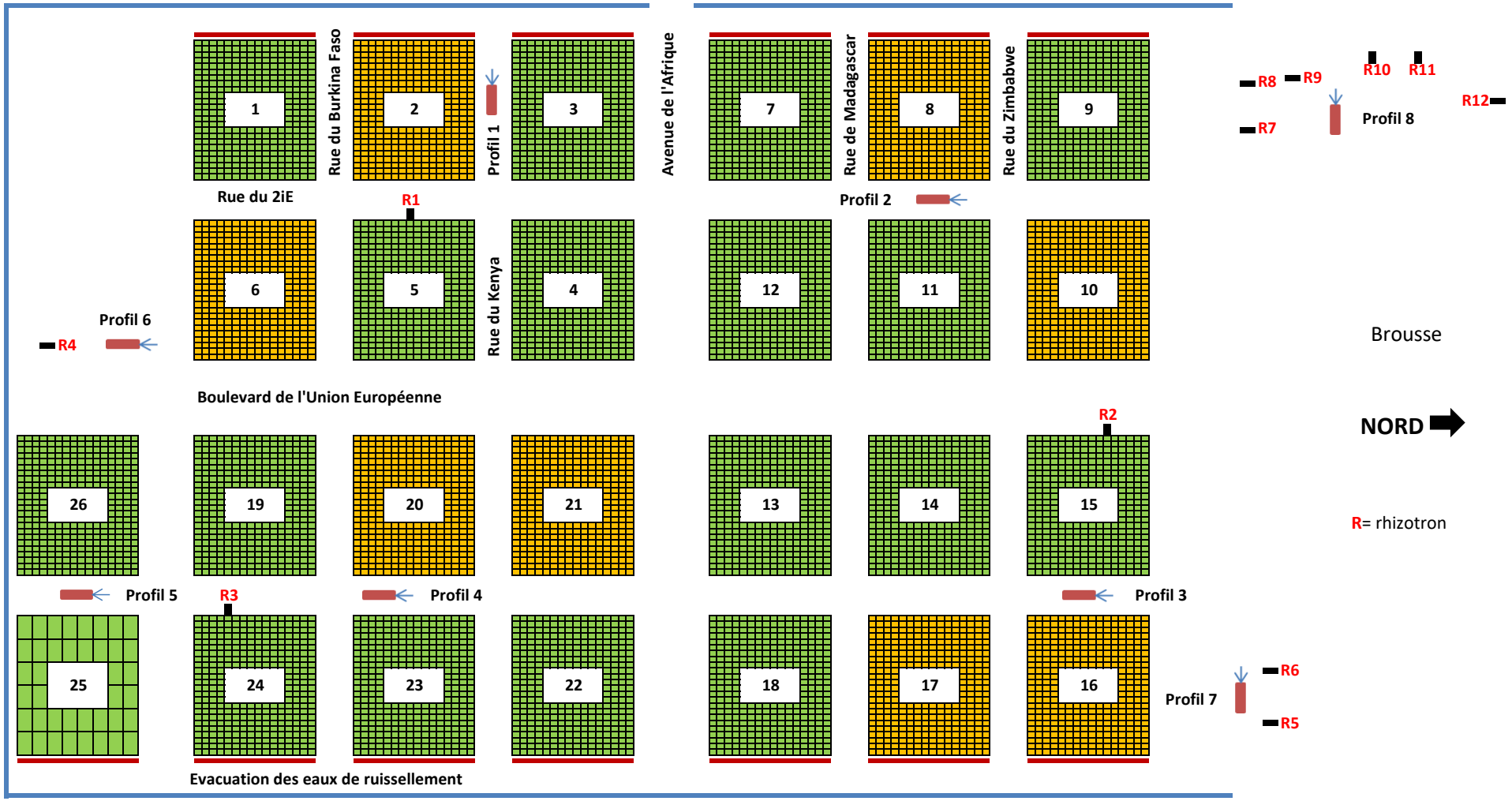

Brousse

Numérotation des tubes d'accès de suivi hydrique, pour les détails voir feuilles des parcelles

| Profondeurs | |
|---|---|
| C1 | 10 |
| C2 | 30 |
| C3 | 60 |
| C4 | 90 |
| C5 | 120 |
| L1 | 30 |
| L2 | 90 |
| L3 | 120 |
| L4 | 90 |
| L5 | 30 |
| RL1 | 30 |
| RL2 | 90 |
| RL3 | 120 |
| RL4 | 90 |
| RL5 | 30 |



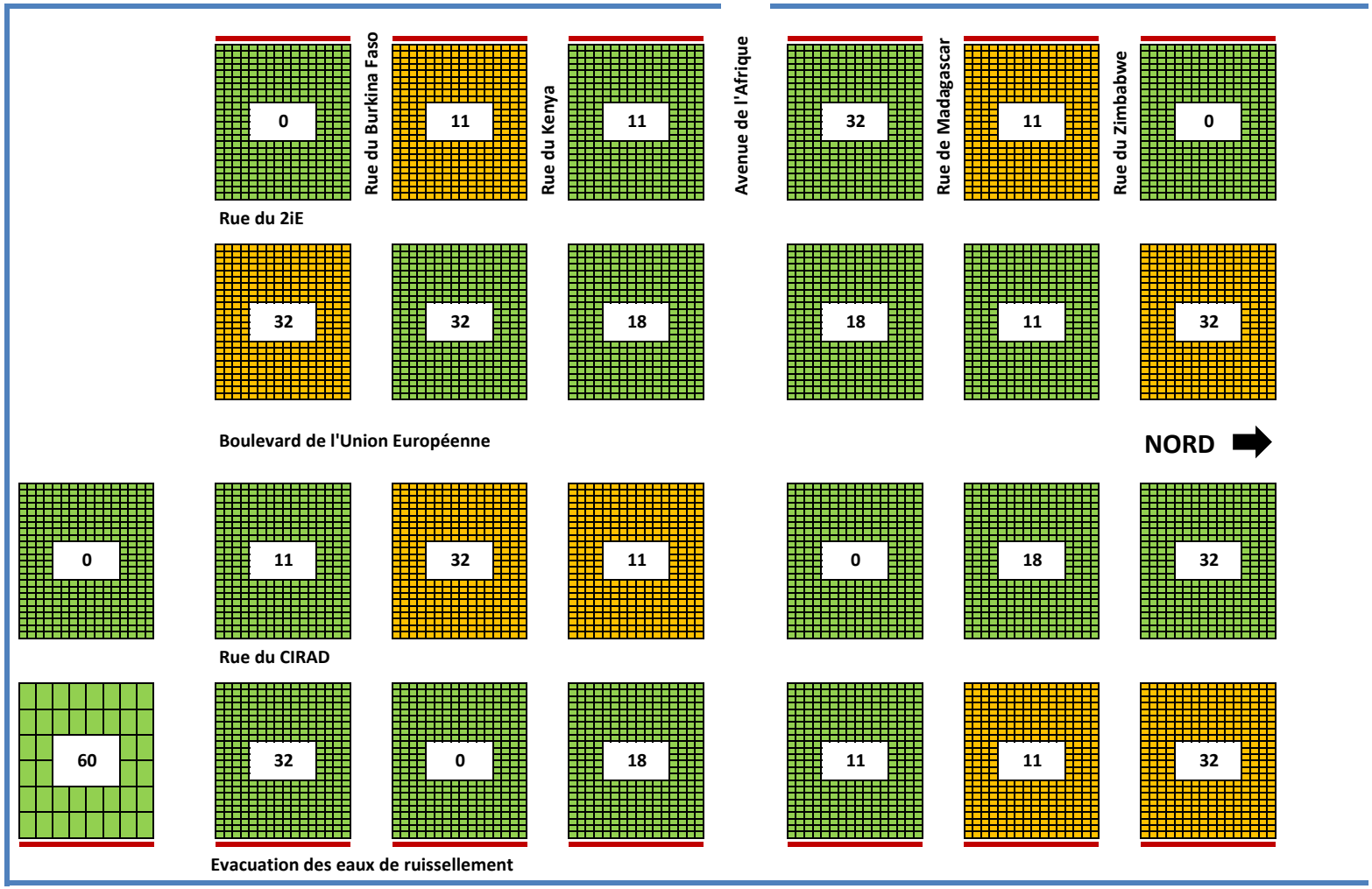
Localisation et Numérotation des profils pour étalonnage de la Sonde à neutrons

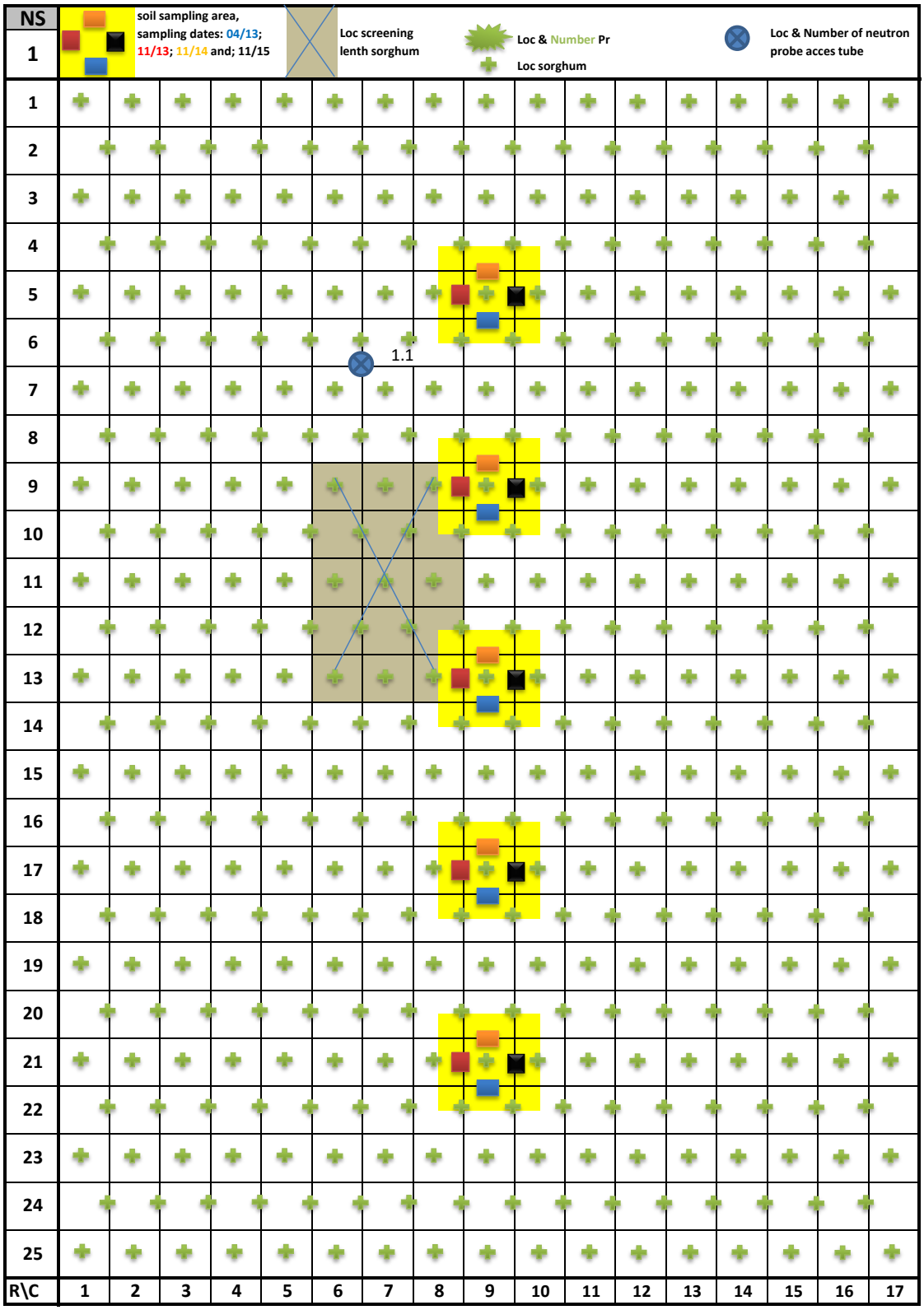


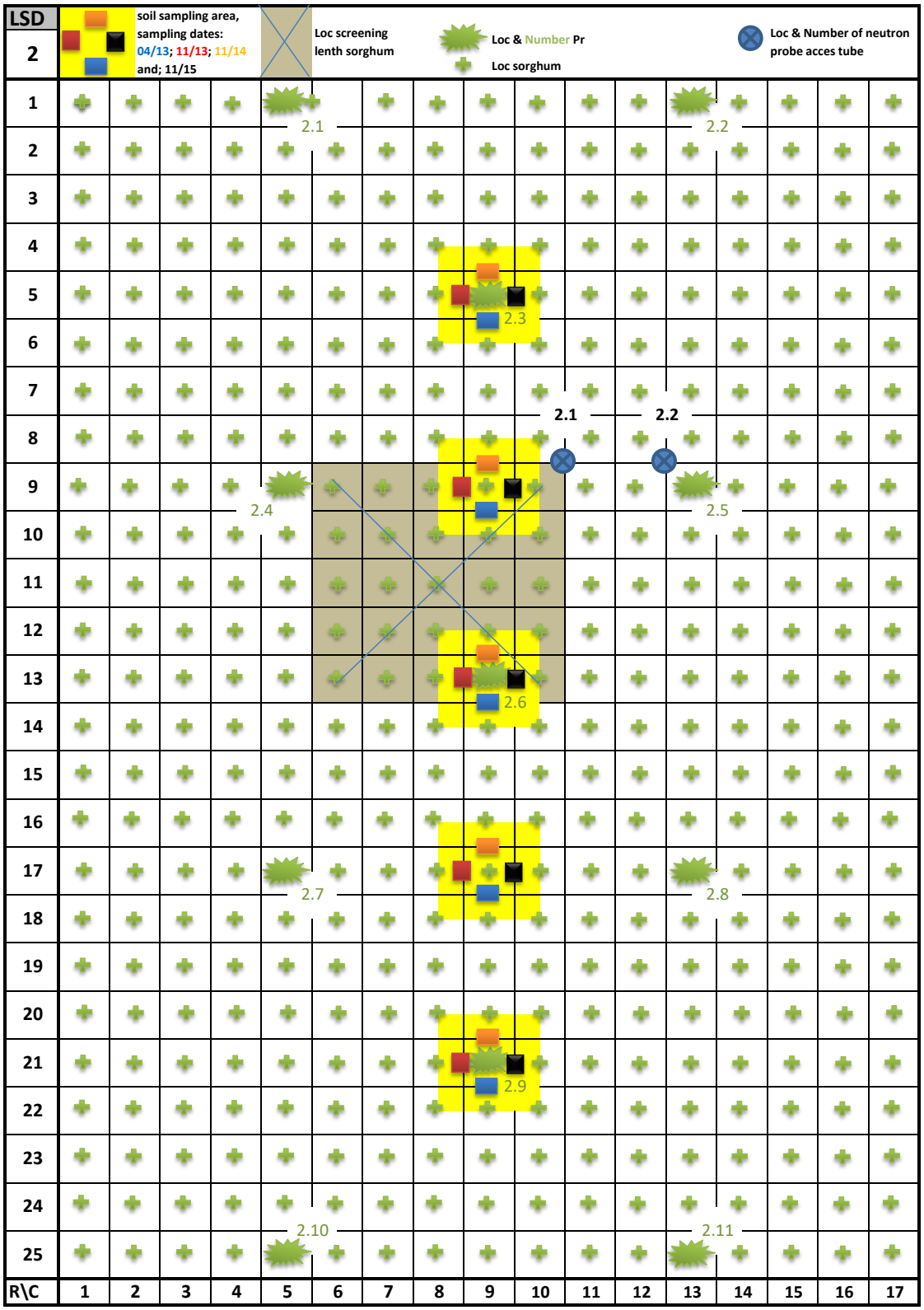

R= rhizotron

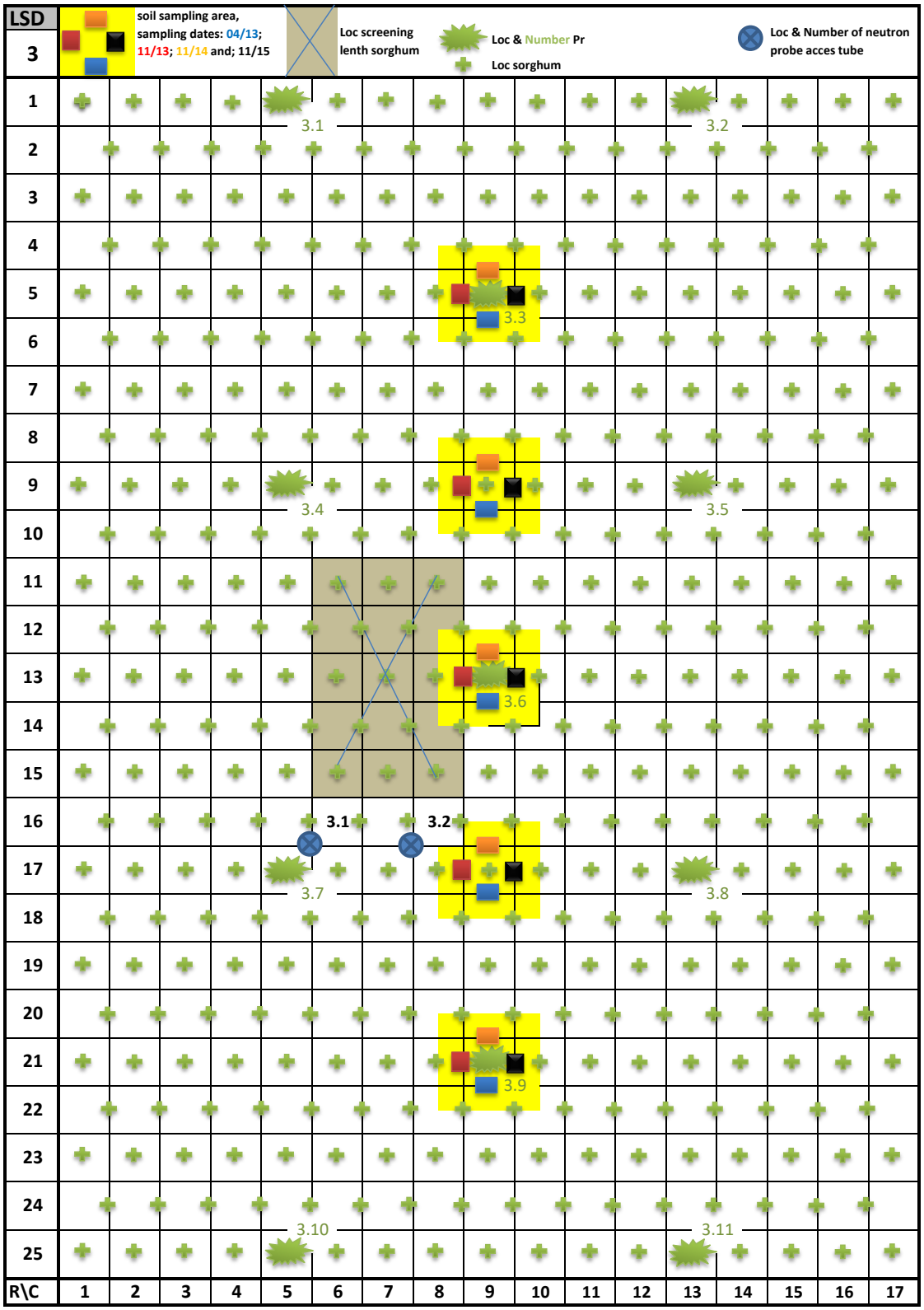
Nb. Le profil 5 n'a pas pu être creusé, donc non échantillonné

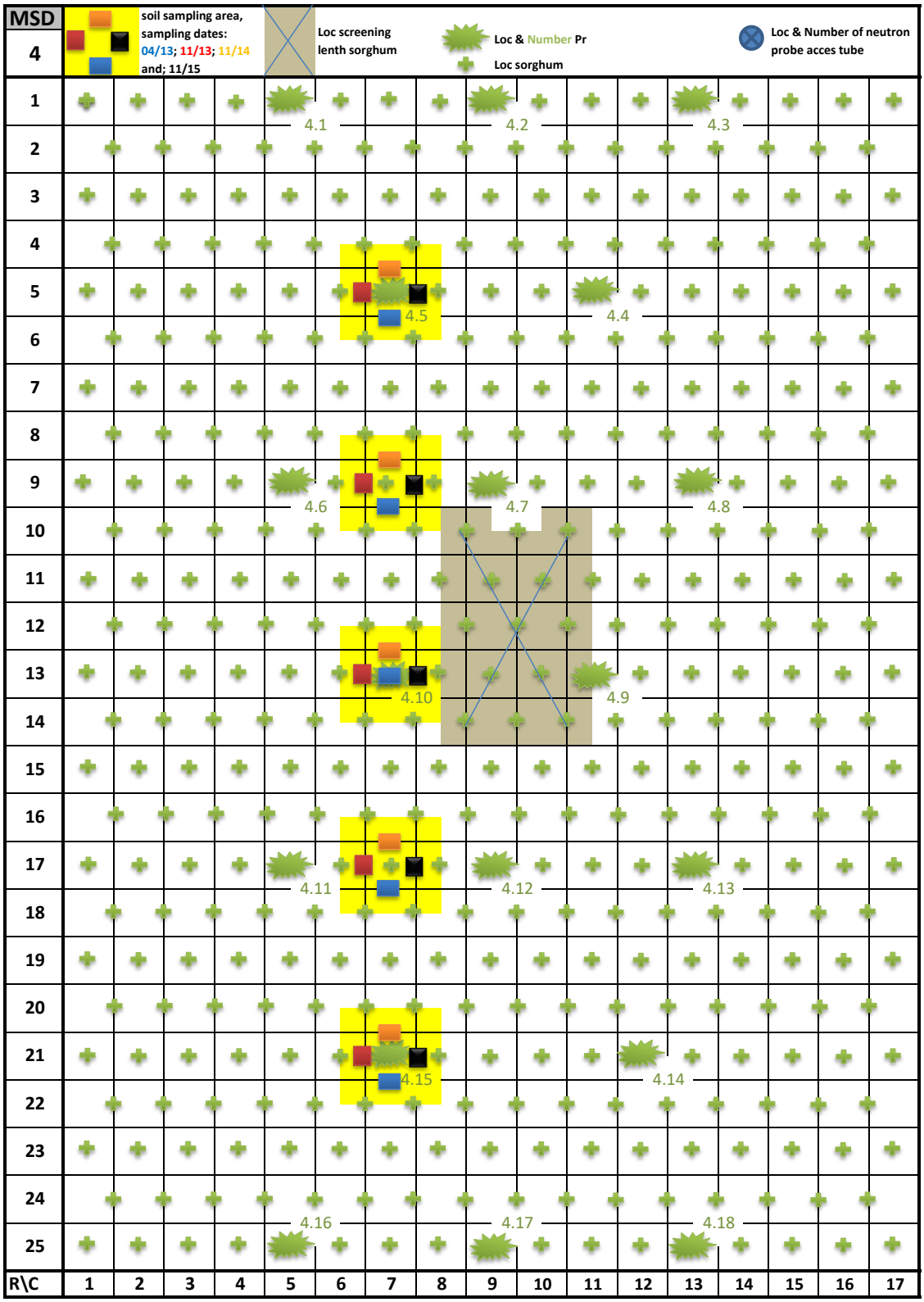
Nombre de pieds de *P. Reticulatum* par parcelle élémentaire, pour les détails voir feuilles des parcelles

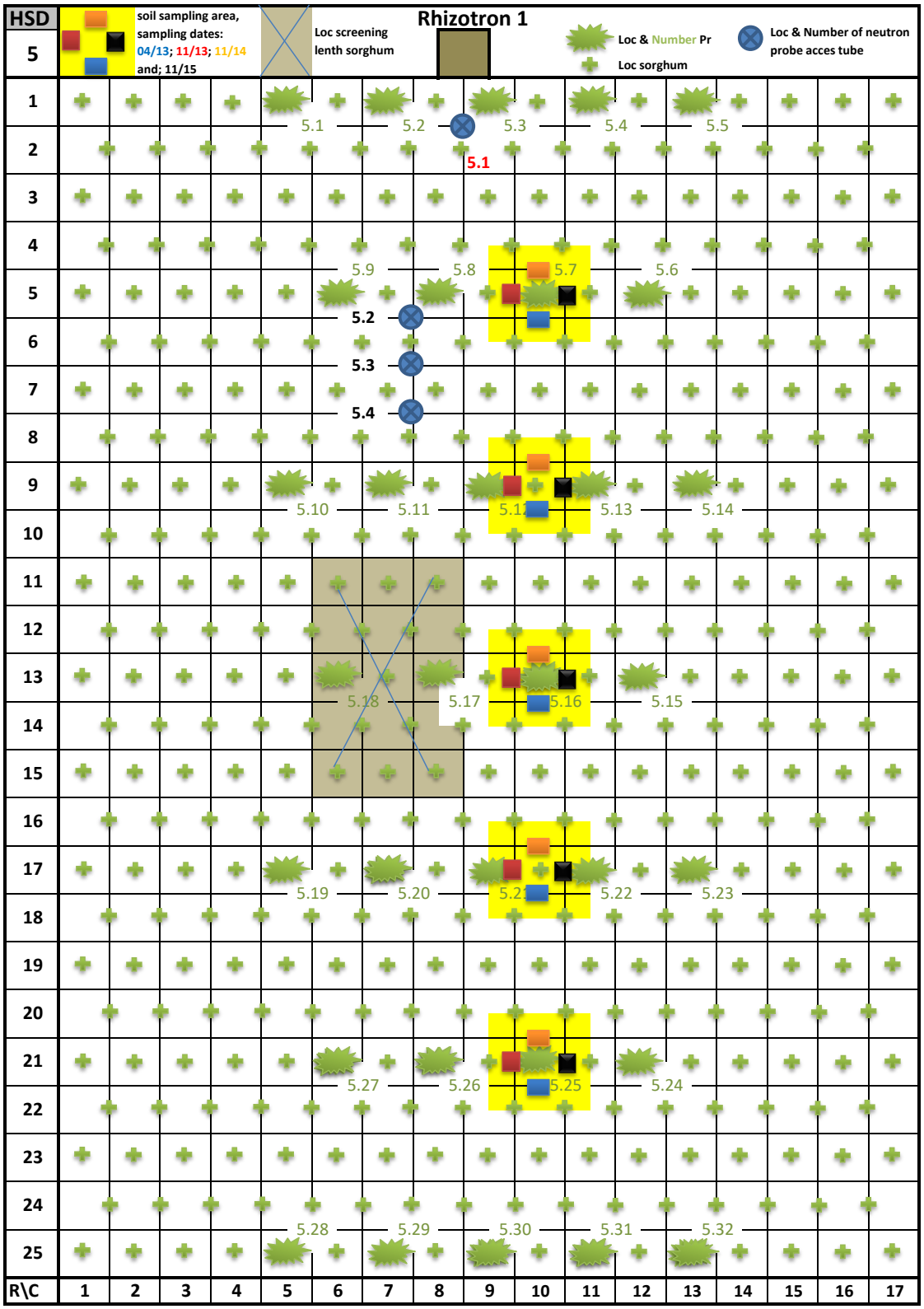


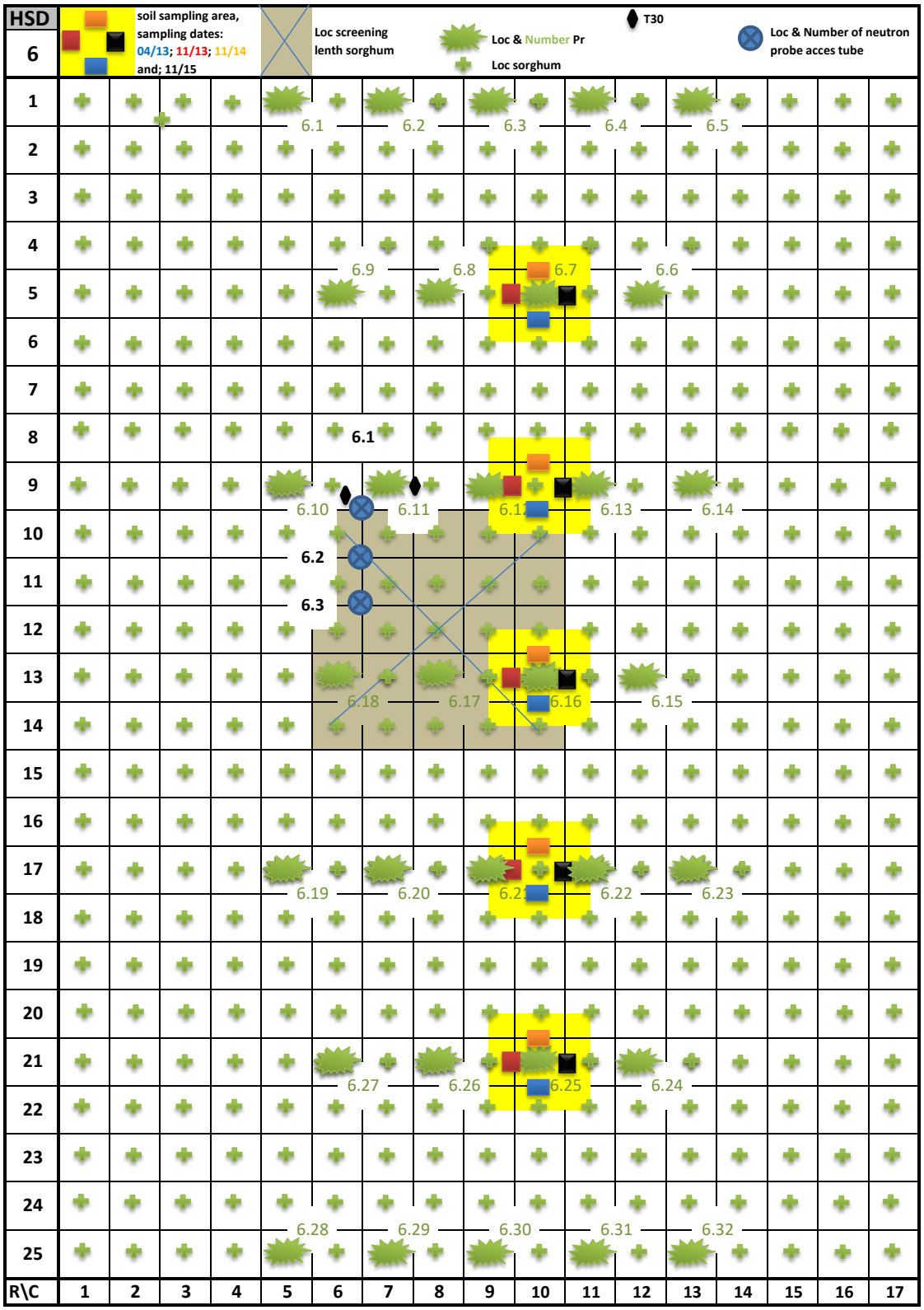

NS
1
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
1.1
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

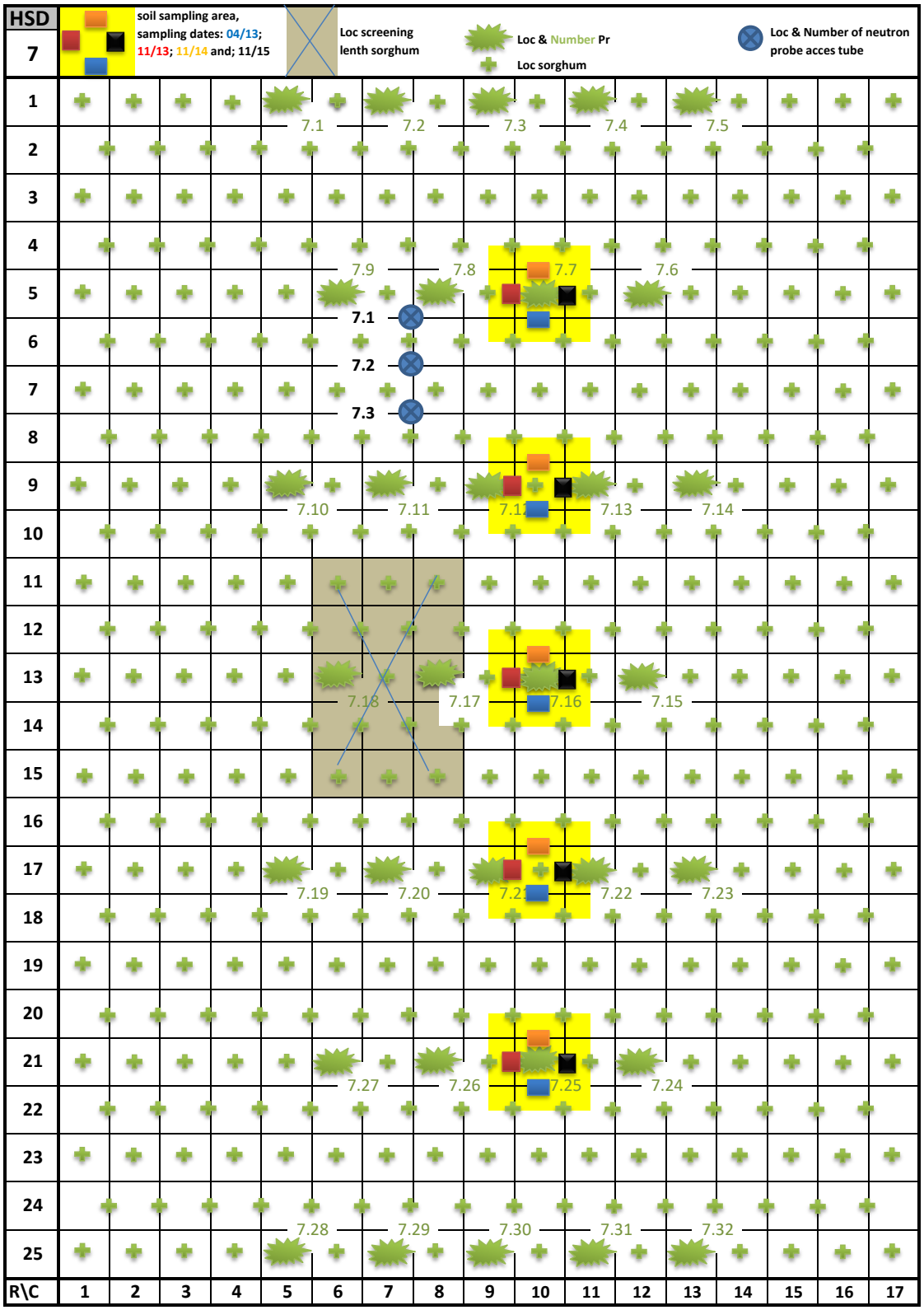

LSD
2
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
2.1
2.2
2.3
2.1
2.2
2.4
2.5
2.6
2.7
2.8
2.9
2.10
2.11
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

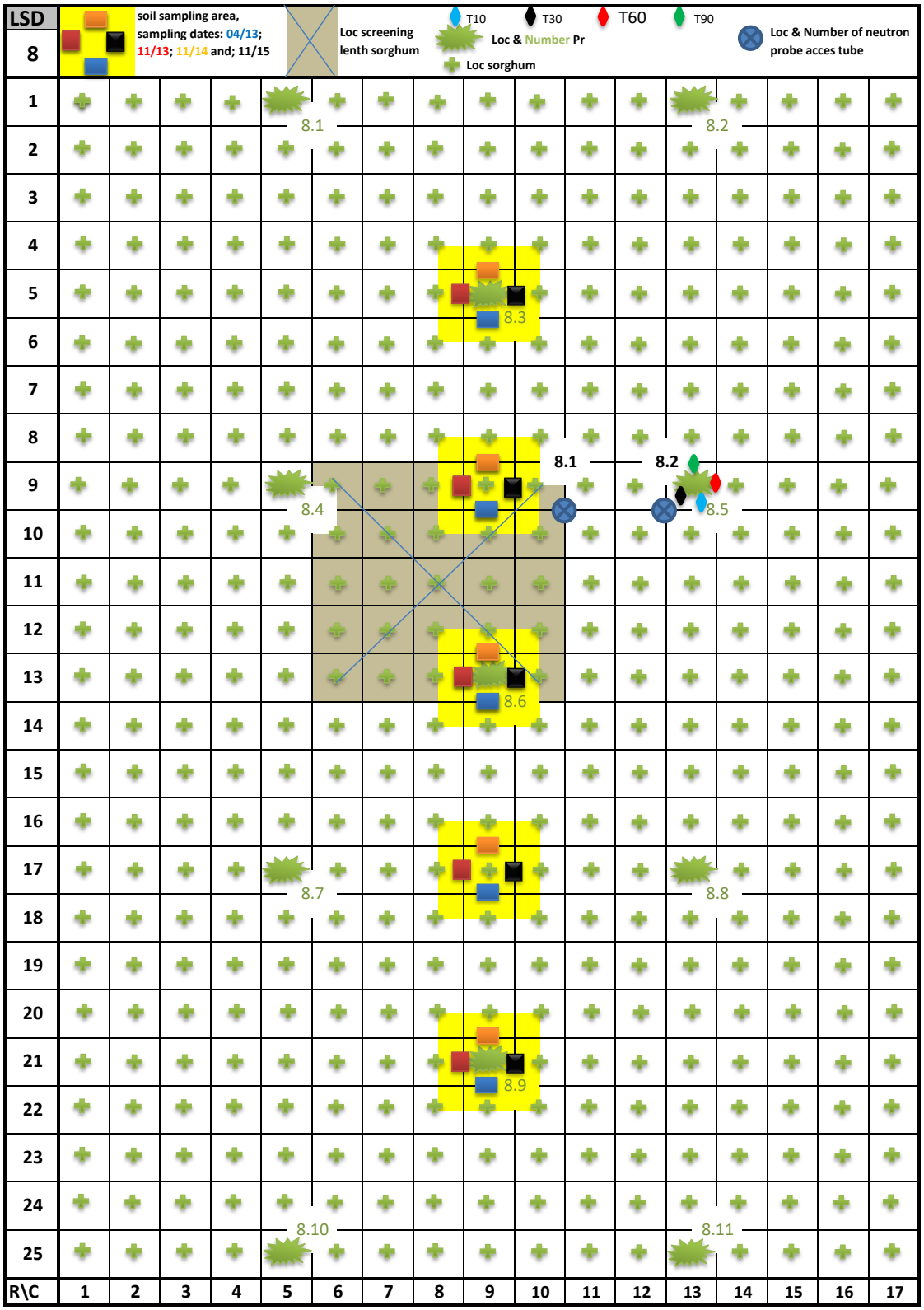

LSD
3
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
3.1
3.2
3.3
3.4
3.5
3.6
3.1
3.2
3.7
3.8
3.9
3.10
3.11
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

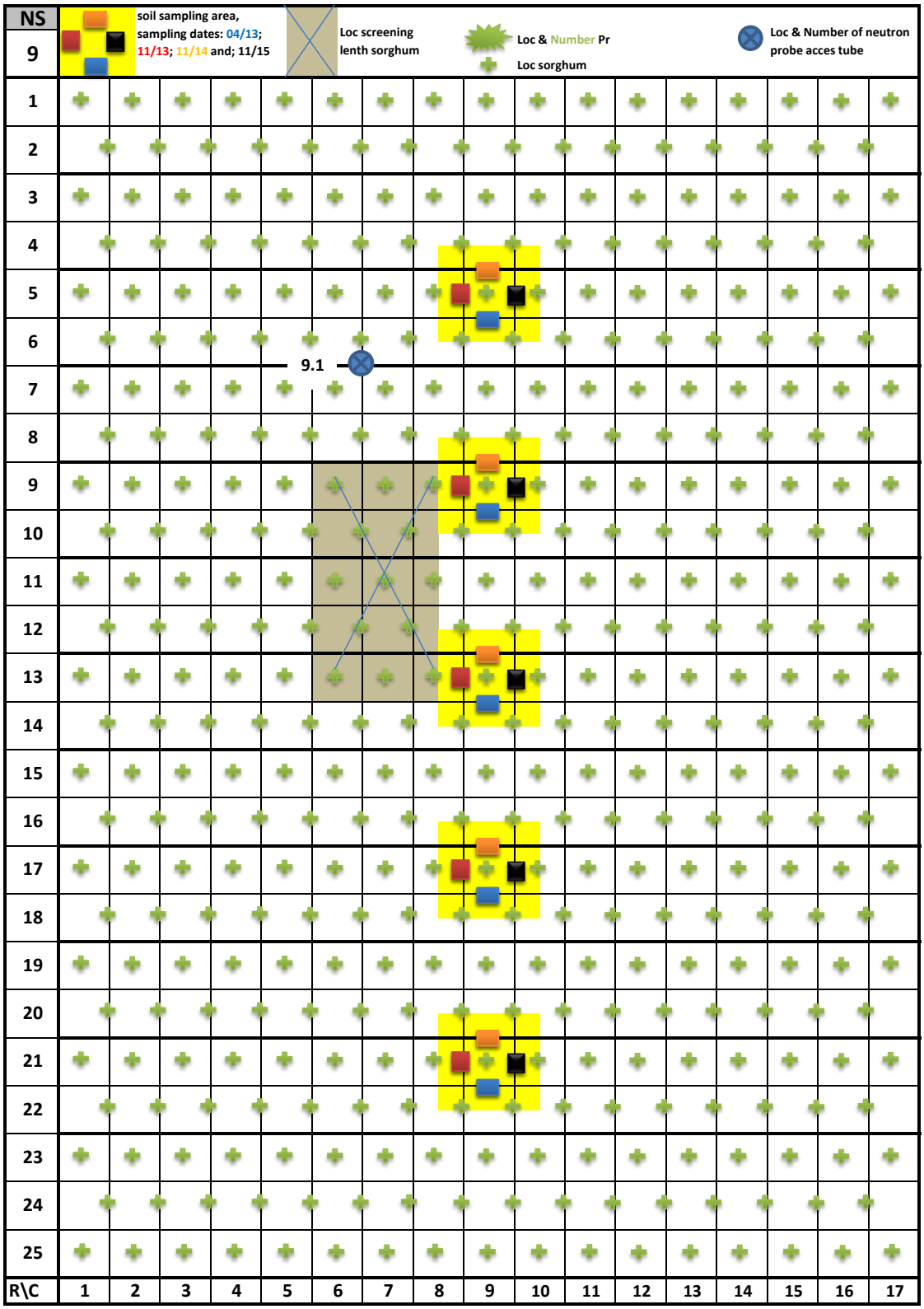

MSD
4
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
4.1
4.2
4.3
4.4
4.5
4.6
4.7
4.8
4.9
4.10
4.11
4.12
4.13
4.14
4.15
4.16
4.17
4.18
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

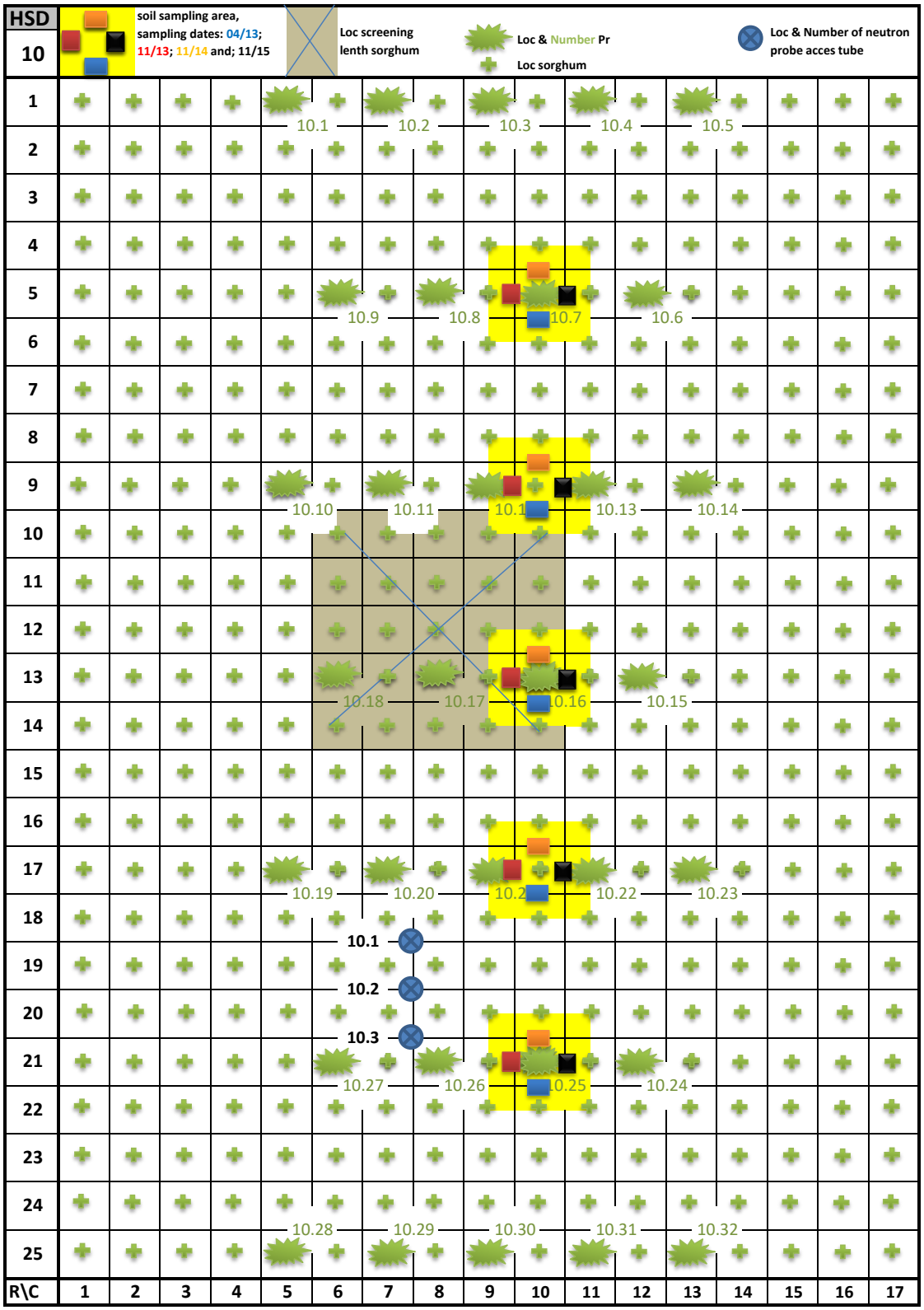

HSD
5
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Rhizotron 1
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
5.1
5.2
5.3
5.4
5.5
5.1
5.9
5.8
5.7
5.6
5.2
5.3
5.4
5.10
5.11
5.12
5.13
5.14
5.18
5.17
5.16
5.15
5.19
5.20
5.21
5.22
5.23
5.27
5.26
5.25
5.24
5.28
5.29
5.30
5.31
5.32
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

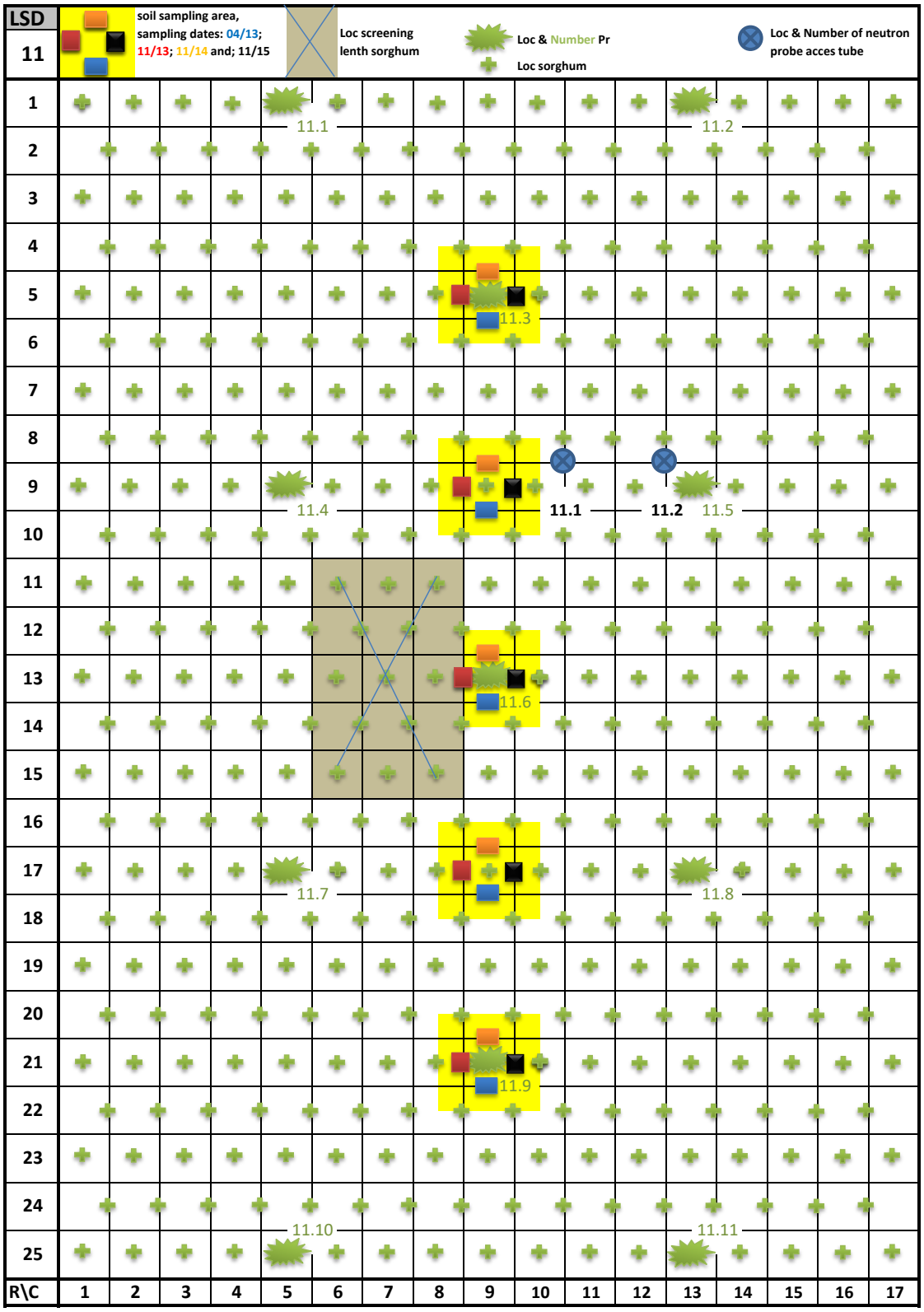

HSD
6
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
T30
Loc & Number of neutron probe acces tube
6.1
6.2
6.3
6.4
6.5
6.9
6.8
6.7
6.6
6.1
6.10
6.11
6.12
6.13
6.14
6.2
6.3
6.18
6.17
6.16
6.15
6.19
6.20
6.21
6.22
6.23
6.27
6.26
6.25
6.24
6.28
6.29
6.30
6.31
6.32
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

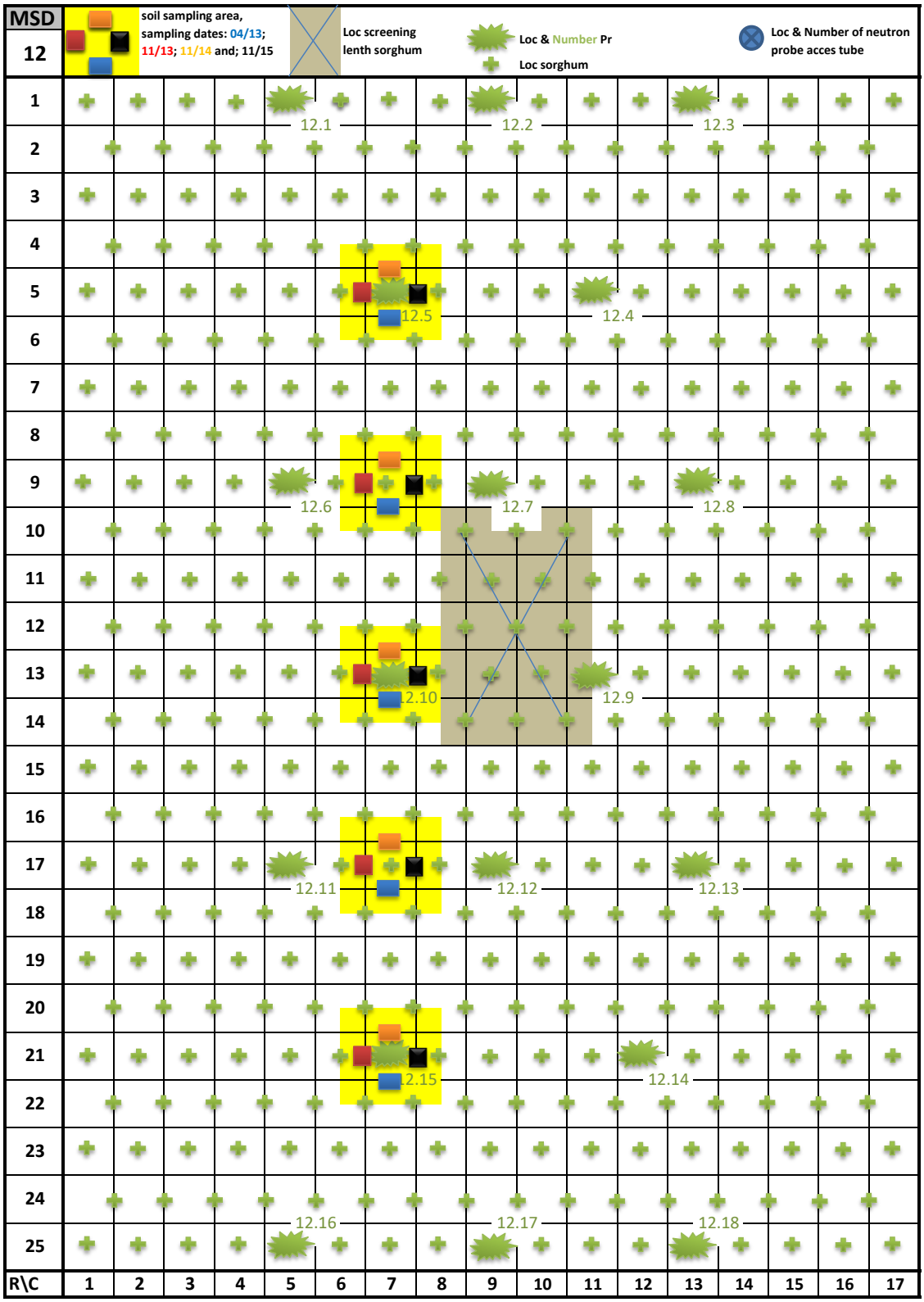

HSD
7
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
7.1
7.2
7.3
7.4
7.5
7.9
7.8
7.7
7.6
7.1
7.2
7.3
7.10
7.11
7.12
7.13
7.14
7.18
7.17
7.16
7.15
7.19
7.20
7.21
7.22
7.23
7.27
7.26
7.25
7.24
7.28
7.29
7.30
7.31
7.32
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

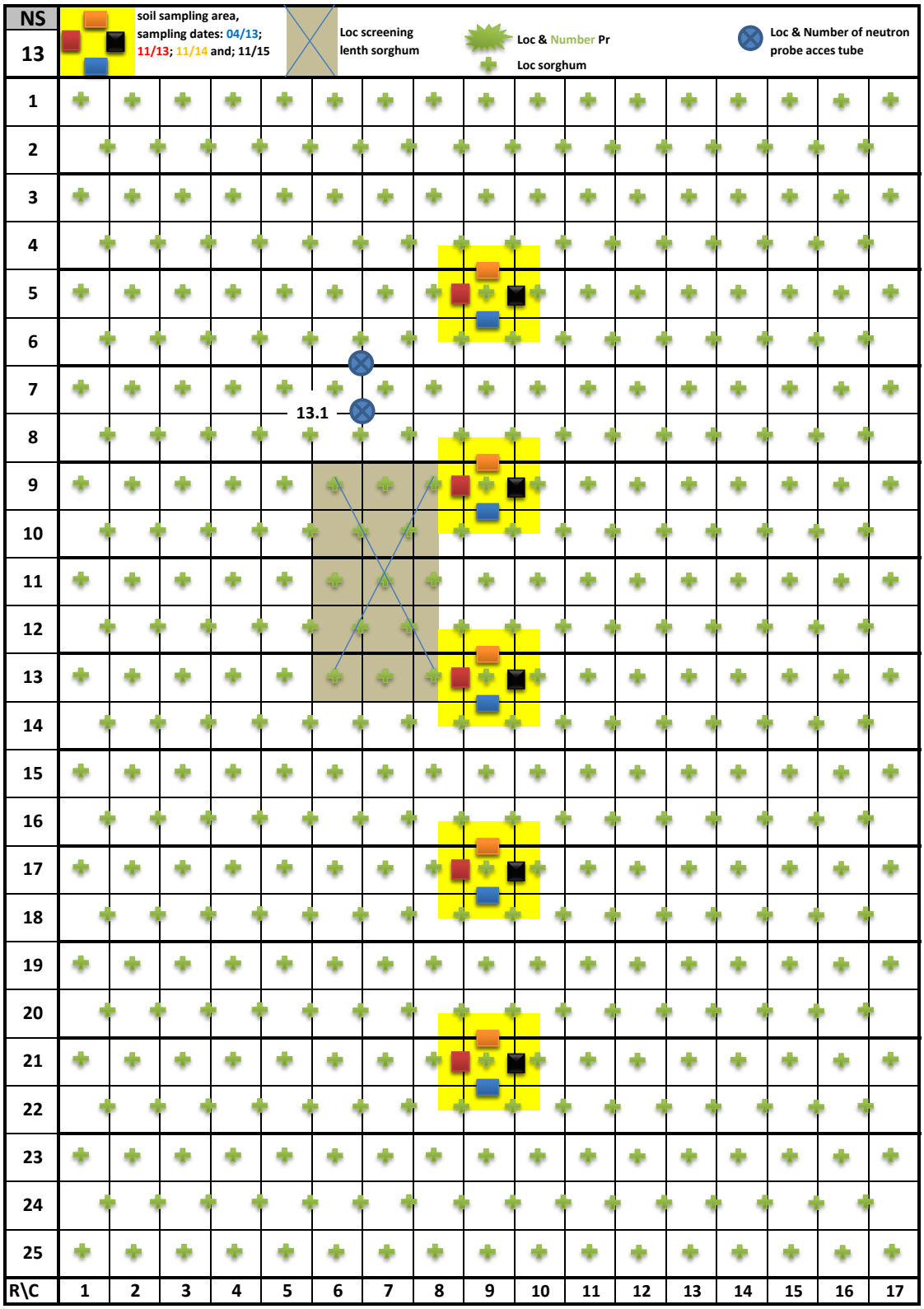

LSD
8
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
T10
T30
T60
T90
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
8.1
8.2
8.3
8.1
8.2
8.4
8.5
8.6
8.7
8.8
8.9
8.10
8.11
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

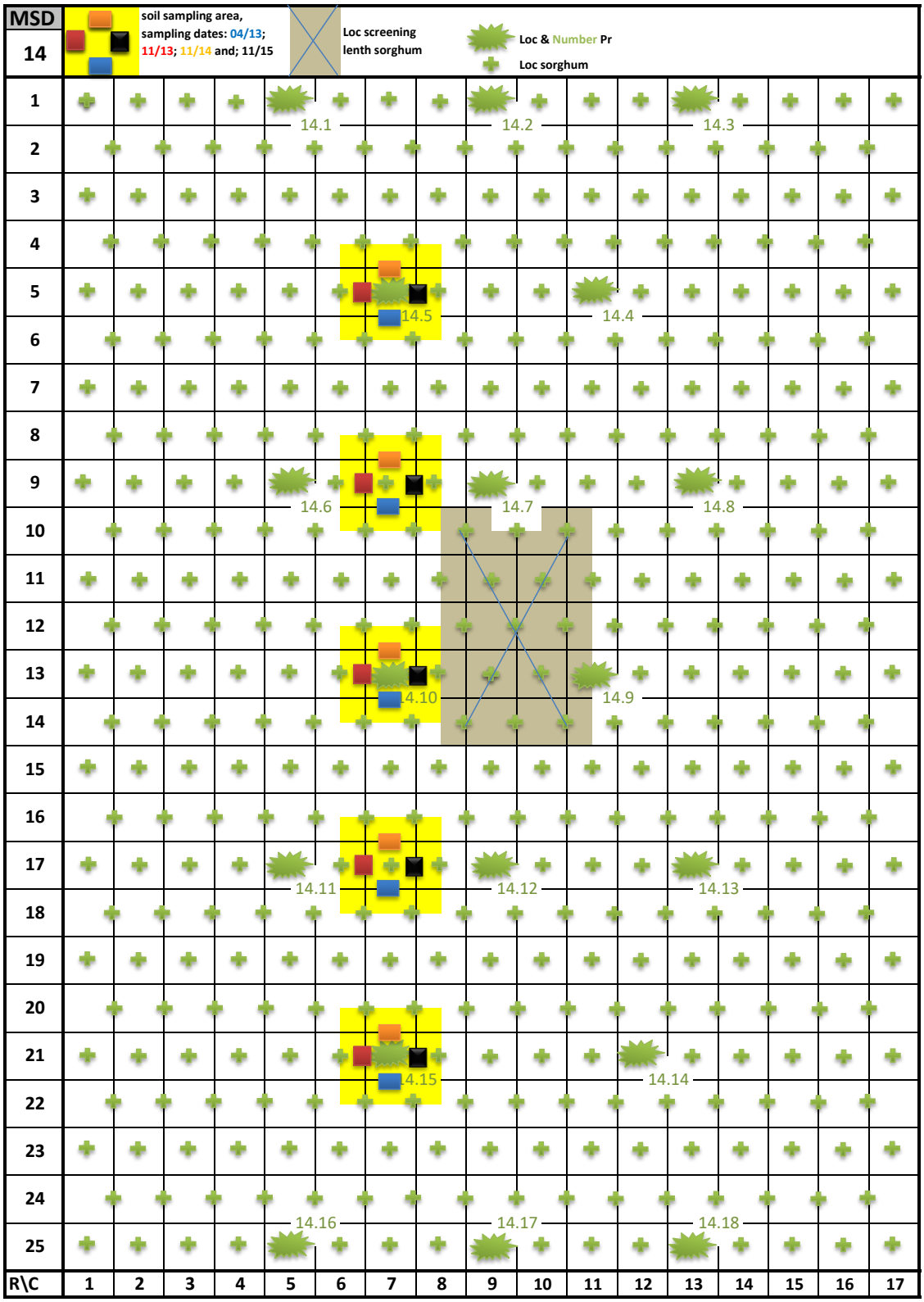

NS
9
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
9.1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
R\C
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

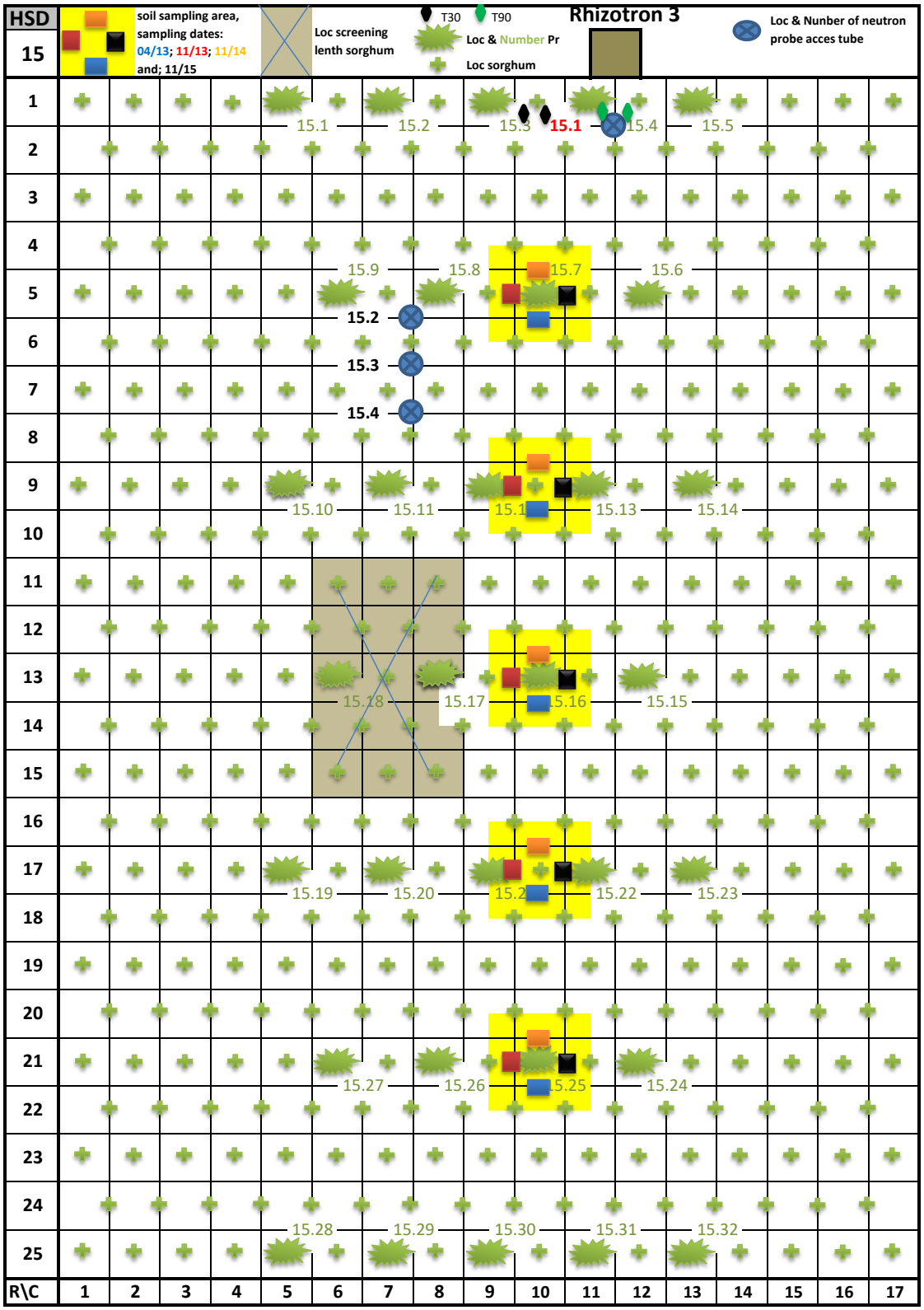

HSD
10
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
10.1
10.2
10.3
10.4
10.5
10.9
10.8
10.7
10.6
10.10
10.11
10.13
10.14
10.18
10.17
10.16
10.15
10.19
10.20
10.22
10.23
10.1
10.2
10.3
10.27
10.26
10.25
10.24
10.28
10.29
10.30
10.31
10.32
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

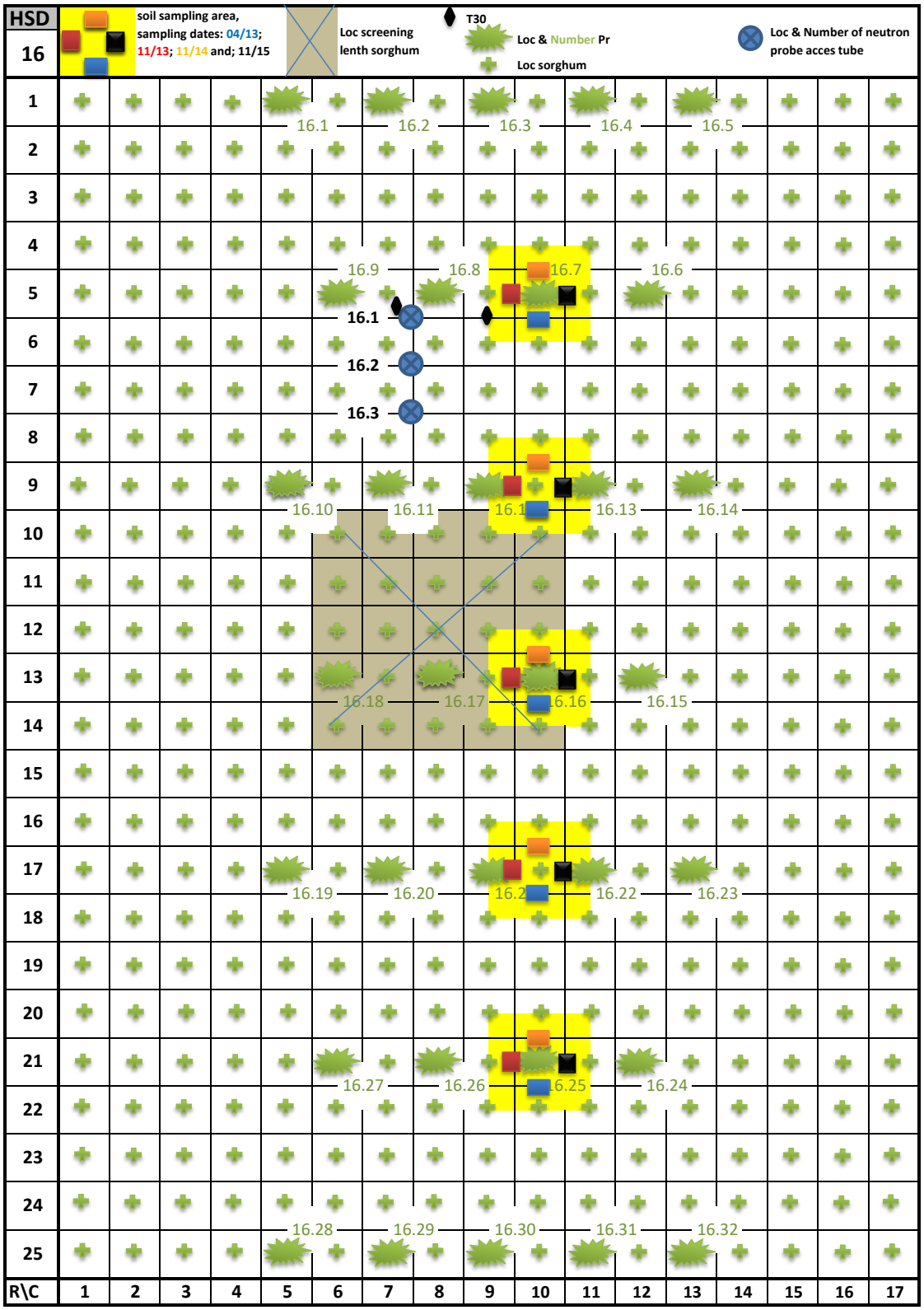

LSD
11
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
11.1
11.2
11.3
11.4
11.1
11.2
11.5
11.6
11.7
11.8
11.9
11.10
11.11
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

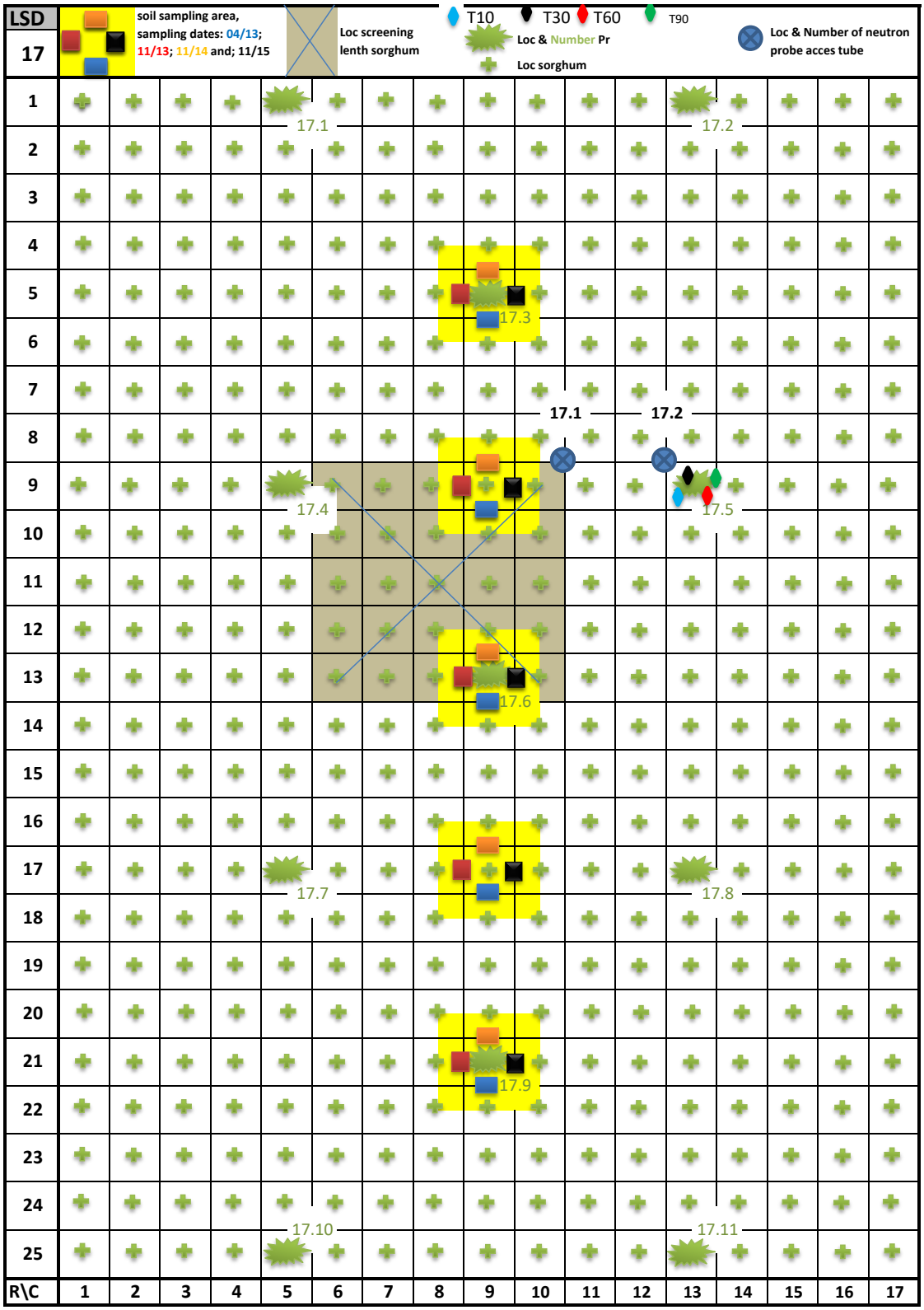

MSD
12
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
12.1
12.2
12.3
12.5
12.4
12.6
12.7
12.8
12.10
12.9
12.11
12.12
12.13
12.15
12.14
12.16
12.17
12.18
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

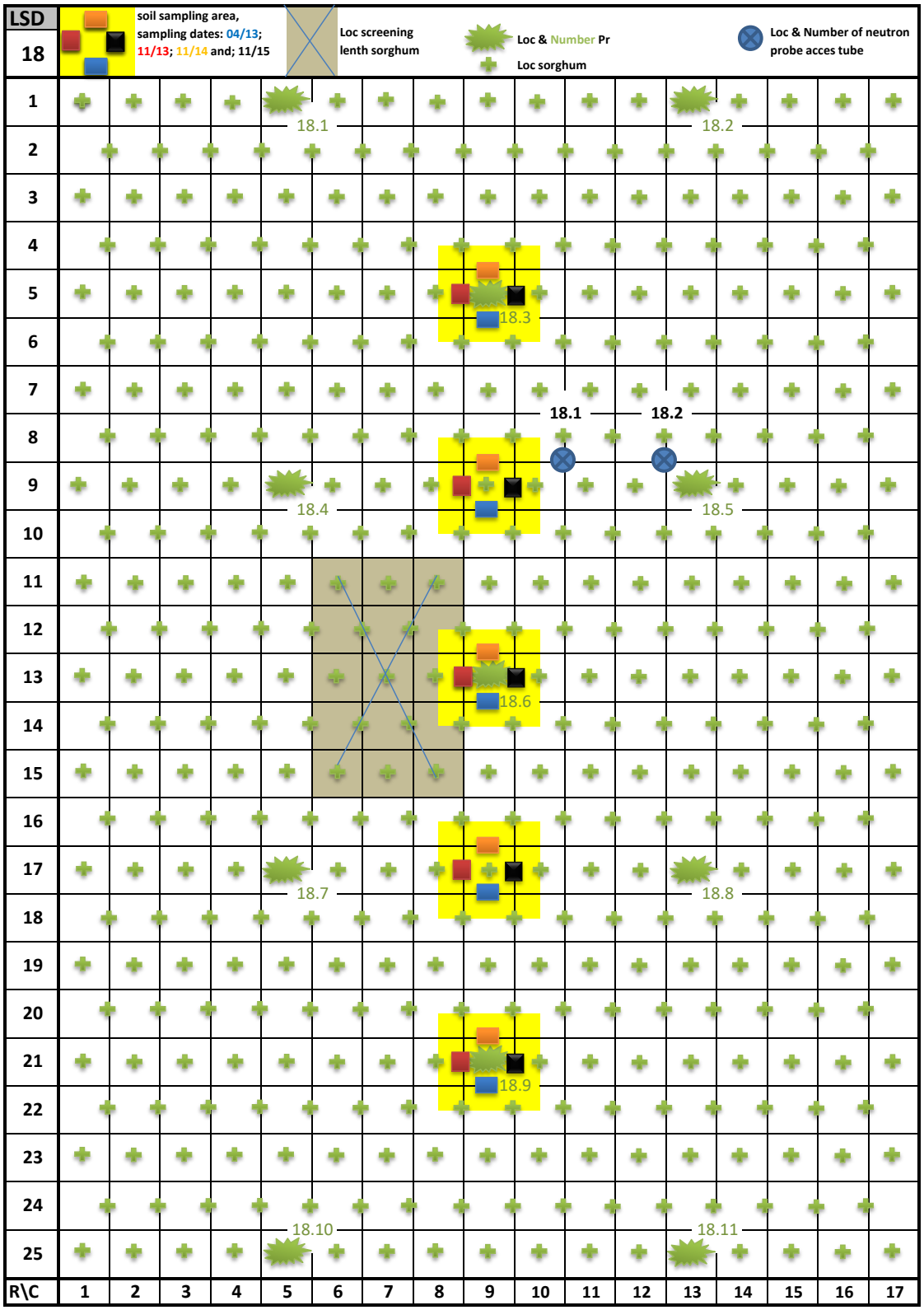

NS
13
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
13.1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
R\C
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

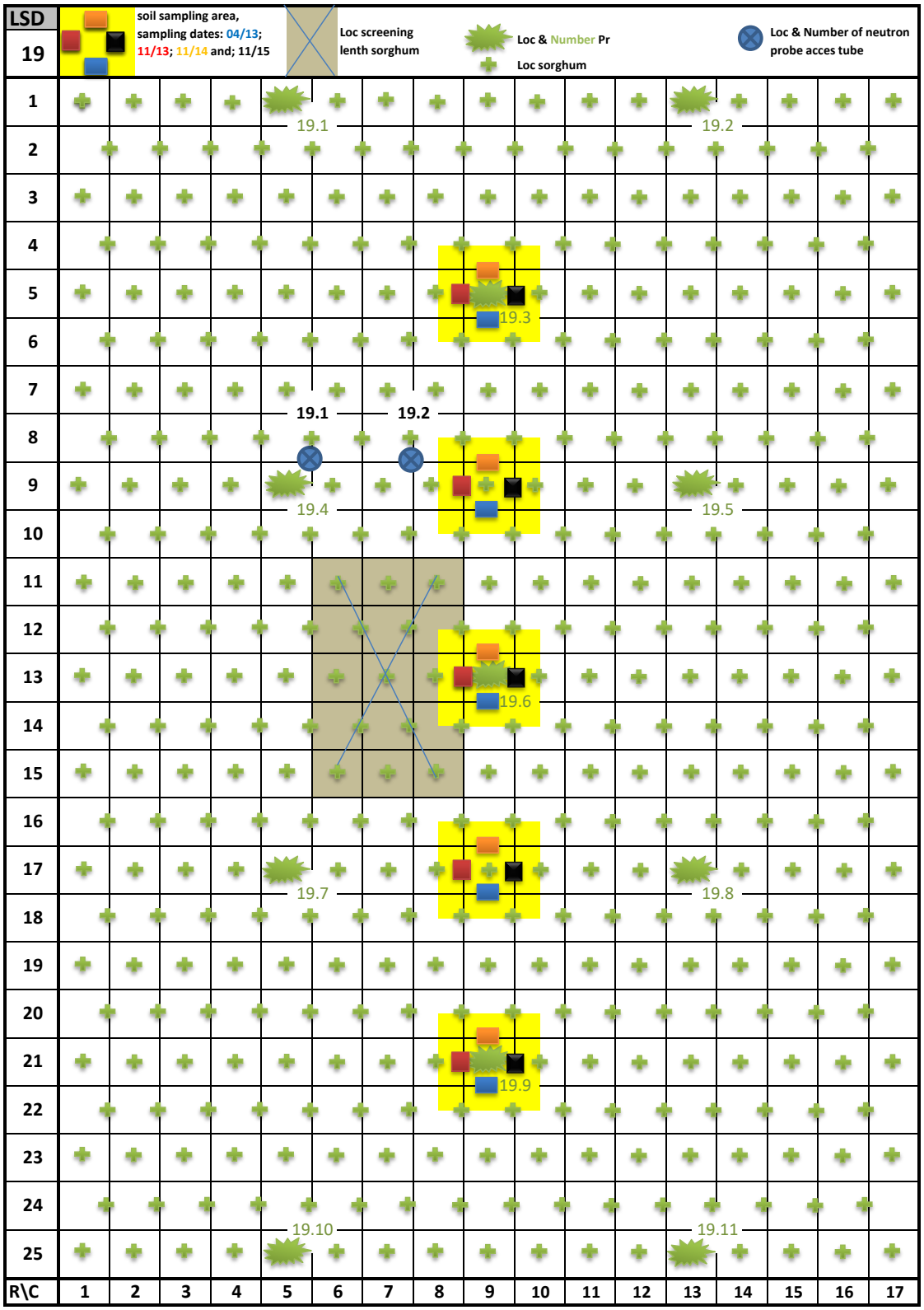

MSD
14
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
14.1
14.2
14.3
14.5
14.4
14.6
14.7
14.8
14.10
14.9
14.11
14.12
14.13
14.15
14.14
14.16
14.17
14.18
R\C

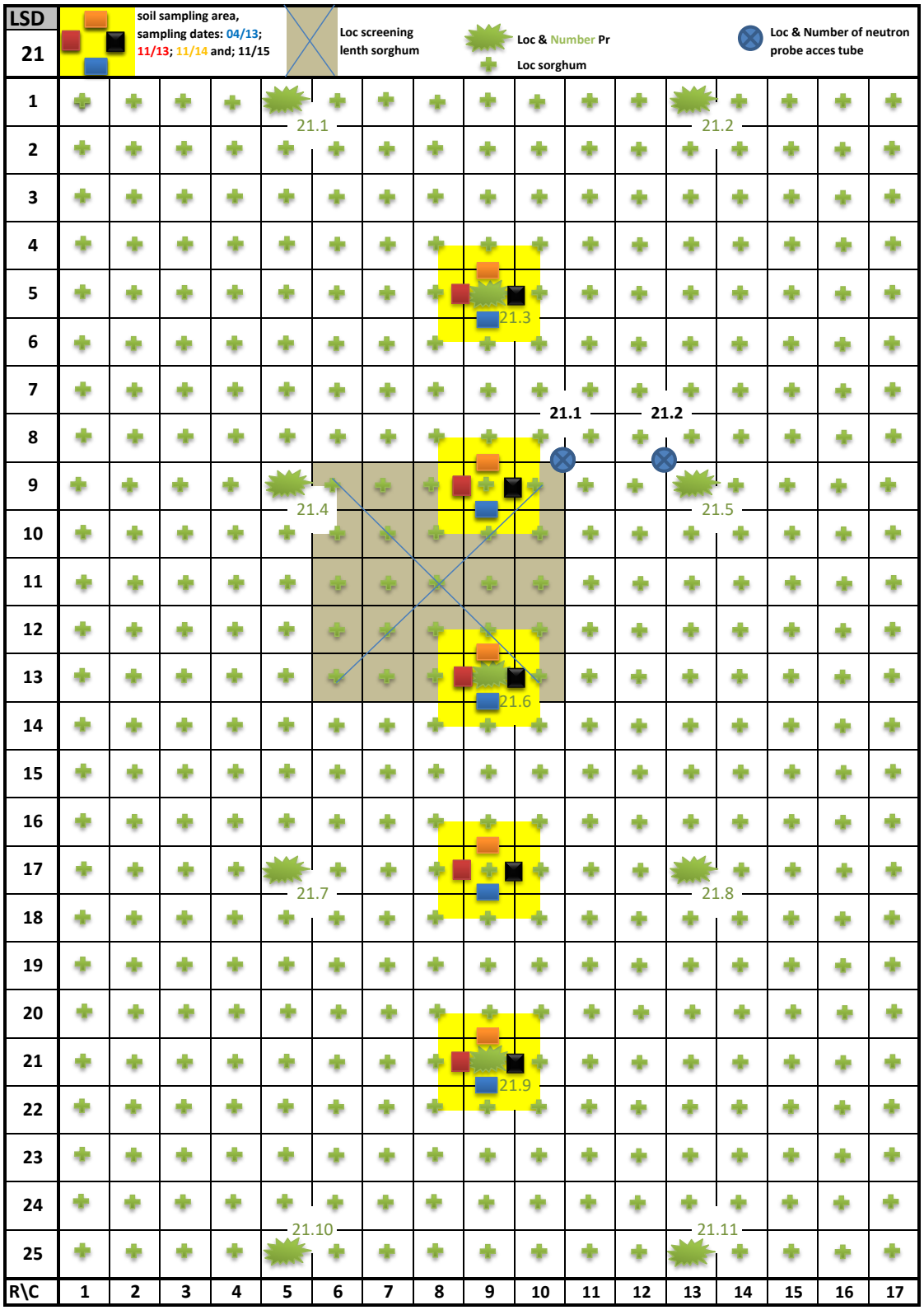

HSD
15
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
T30
T90
Loc & Number Pr
Loc sorghum
Rhizotron 3
Loc & Nunber of neutron probe acces tube
15.1
15.2
15.3
15.1
15.4
15.5
15.9
15.8
15.7
15.6
15.2
15.3
15.4
15.10
15.11
15.1
15.13
15.14
15.18
15.17
15.16
15.15
15.19
15.20
15.2
15.22
15.23
15.27
15.26
5.25
15.24
15.28
15.29
15.30
15.31
15.32
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

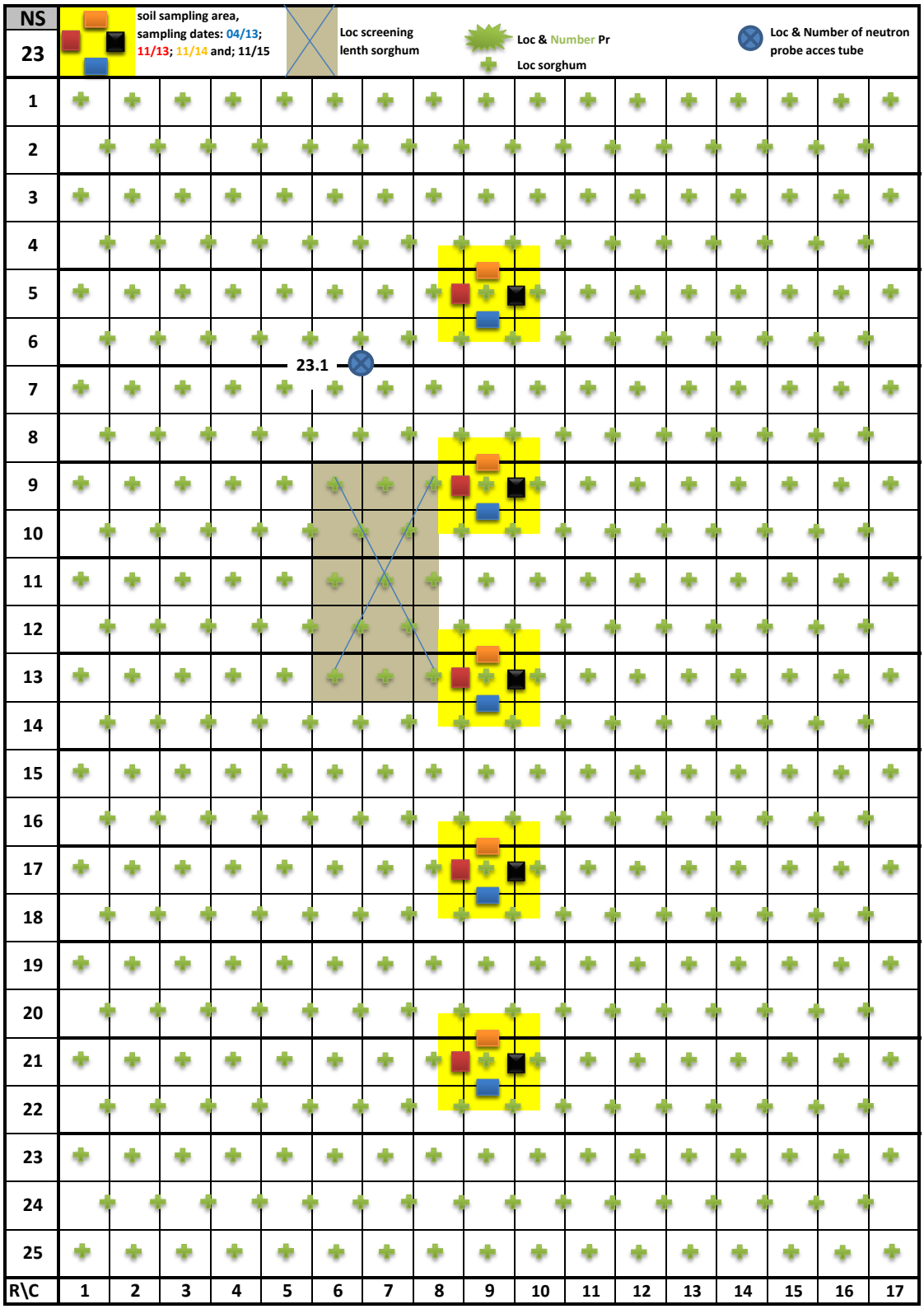

HSD
16
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
T30
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
16.1
16.2
16.3
16.4
16.5
16.9
16.8
16.7
16.6
16.1
16.2
16.3
16.10
16.11
16.13
16.14
16.18
16.17
16.16
16.15
16.19
16.20
16.22
16.23
16.27
16.26
16.24
16.28
16.29
16.30
16.31
16.32
R\C
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

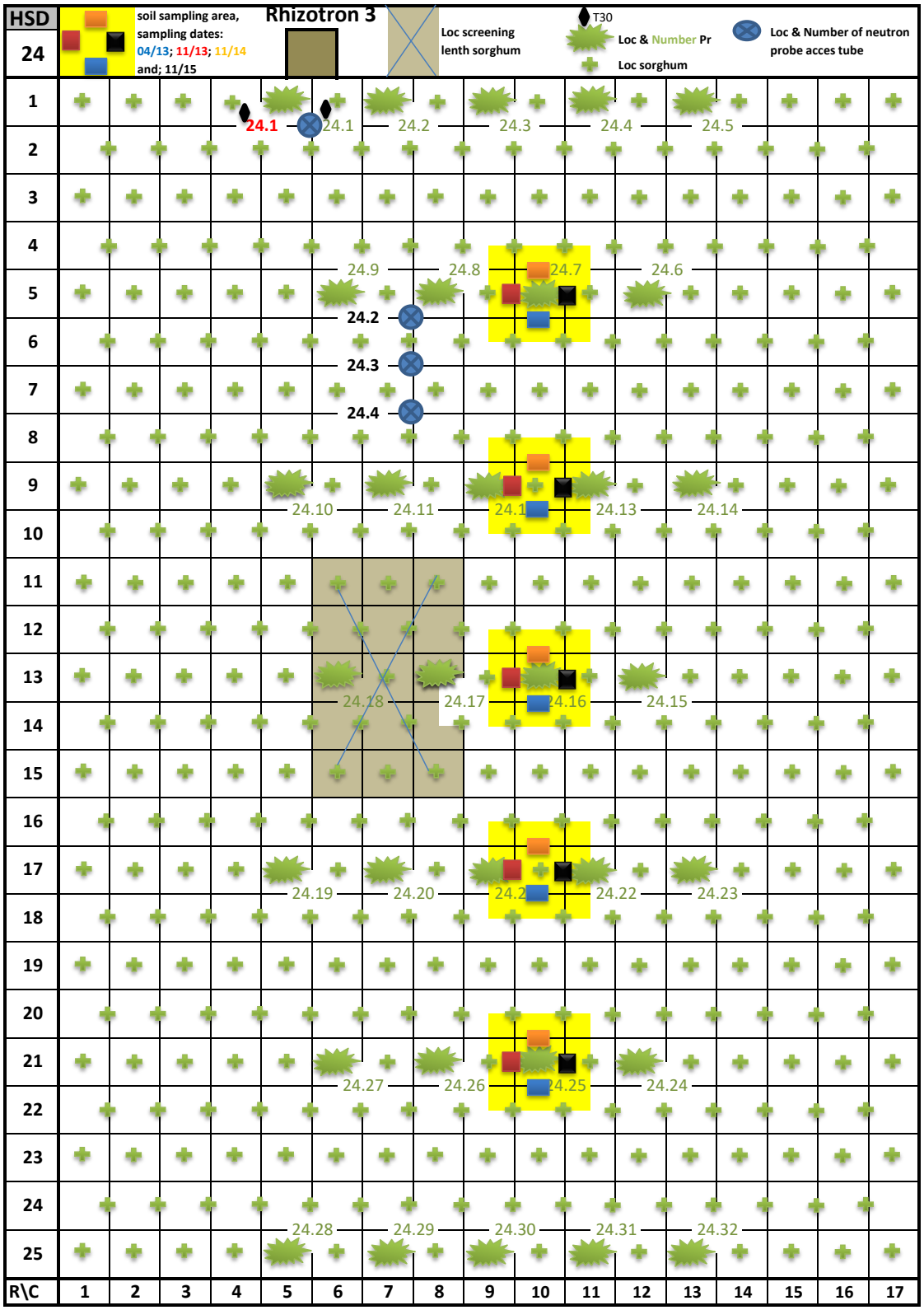

LSD
17
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
T10
T30
T60
T90
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
17.1
17.2
17.3
17.1
17.2
17.4
17.5
17.6
17.7
17.8
17.9
17.10
17.11
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17


LSD
18
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
18.1
18.2
18.3
18.1
18.2
18.4
18.5
18.6
18.7
18.8
18.9
18.10
18.11
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17


LSD
19
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
19.1
19.2
19.3
19.1
19.2
19.4
19.5
19.6
19.7
19.8
19.9
19.10
19.11
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25


LSD
21
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
21.1
21.2
21.3
21.1
21.2
21.4
21.5
21.6
21.7
21.8
21.9
21.10
21.11
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

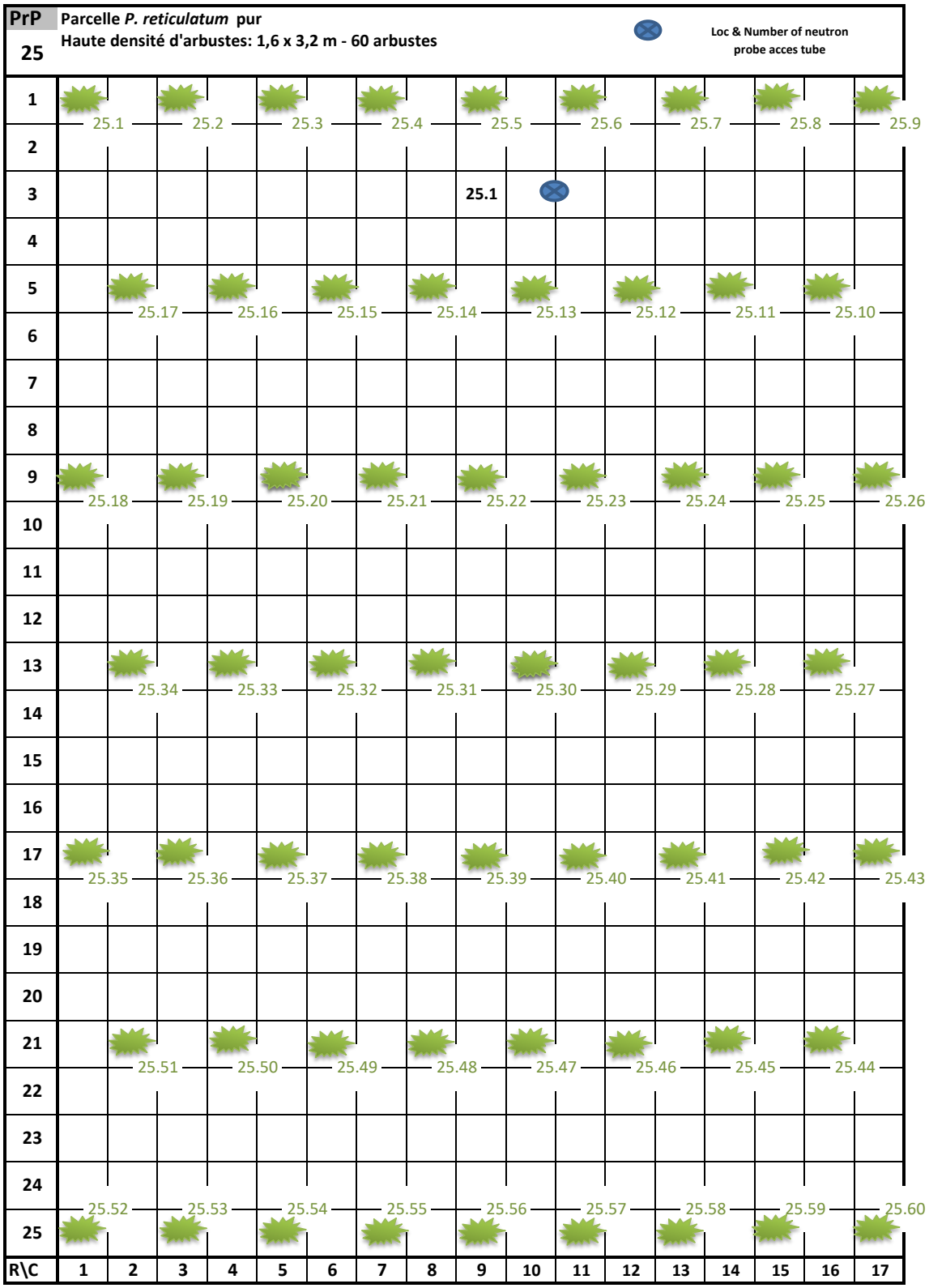

NS
23
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Loc screening lenth sorghum
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
23.1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
R\C
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17


HSD
24
soil sampling area, sampling dates: 04/13; 11/13; 11/14 and; 11/15
Rhizotron 3
Loc screening lenth sorghum
T30
Loc & Number Pr
Loc sorghum
Loc & Number of neutron probe acces tube
24.1
24.1
24.2
24.3
24.4
24.5
24.9
24.8
24.7
24.6
24.2
24.3
24.4
24.10
24.11
24.13
24.14
24.18
24.17
24.16
24.15
24.19
24.20
24.22
24.23
24.27
24.26
24.25
24.24
24.28
24.29
24.30
24.31
24.32
R\C
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

**PrP 25** Parcelle *P. reticulatum* pur

Haute densité d'arbustes: 1,6 x 3,2 m - 60 arbustes

Loc & Number of neutron probe acces tube



| SP | Parcelle en sorgho pur en zaï<br>Densité 0,8 x 0,8 m | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | |
| R\C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |

Loc screening lenth sorghum

Loc & Number of neutron probe acces tube

26.1