Human Carrying Capacity on Brazil's Transamazon Highway: Datasets on Soils and Crop Yields

Capacidade de Suporte Humano na Rodovia Transamazônica: Conjuntos de Dados sobre os Solos e os Rendimentos das Culturas

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Sample of data on soil changes in format with items identified by headings.

Amostra dos dados sobre mudanças nos solos em formato com os itens identificados por cabeçalhos

COMPARISON NO: 1 COMPARISON TYPE: 7 BEFORE FN: 2 AFTER FN: 34

COLONIST NO.	DATE BEFORE SAMPLE DAY MO YR	DATE AFTER SAMPLE DAY MO YR	SEQUENTIAL PAIR	BEFORE USE CODE	AFTER USE CODE	DRAINAGE	BEFORE HT.IF 2ND GROWTH(M)	AFTER HT.IF 2ND GROWTH(M)	BEFORE AVE.2ND GTH.DBH(CM)	AFTER AVE 2ND GTH.DBH(CM)
1	18 10 74	19 7 75	3		5	3	-0.0	-0.0	-0.	-0.

BEFORE 2ND GTH TYPE	AFTER 2ND GTH TYPE	NOTES BEFORE CT1	NOTES BEFORE CT2	NOTES AFTER CT1	NOTES AFTER CT2	PHOS. BEFORE (PPM)	PHOS. DIFF. (PPM)	POTAS BEFORE (PPM)	POTAS DIFF. (PPM)	CA++&MG++ BEFORE (ME/100G)	CA++&MG++ DIFFERENCE (ME/100G)	AL+++ BEFORE (ME/100G)	AL+++ DIFF. (ME/100G)
0	0	0	0	0	0	3.	1.	16.	-2.	0.9	0.0	0.5	0.1

PH BEFORE	PH DIFF.	NOTE 1 CARD 13 BEF	NOTE 1 CARD 13 AFT	NOTE 2 CARD 13 BEF	NOTE 2 CARD 13 AFT	NITROGEN BEFORE (%)	NITROGEN DIFF. (%)	CARBON BEFORE (%)	CARBON DIFF. (%)	NA+ BEFORE (ME/100G)	NA+ DIFF. (ME/100G)	K+ BEFORE (ME/100G)	K+ DIFF. (ME/100G)
4.8	0.2	0	0	0	0	0.04	-0.01	0.44	-0.02	0.02	-0.0	0.04	-0.0

CA++ BEFORE (ME/100G)	CA++ DIFF. (ME/100G)	MG++ BEFORE (ME/100G)	MG++ DIFF. (ME/100G)	H+ BEFORE (ME/100G)	H+ DIFF. (ME/100G)	AL+++ BEFORE (ME/100G)	AL+++ DIFF. (ME/100G)	P2O5 BEFORE (MG/100G)	P2O5 DIFF. (MG/100G)	SLOPE(%)
-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	2.

EROSION PLOT NO.	COARSE SAND BEF(%)	COARSE SAND DIF(%)	FINE SAND BEF(%)	FINE SAND DIF(%)	SILT BEFORE (%)	SILT DIFF. (%)	TOTAL CLAY BEF(%)	TOTAL CLAY DIF(%)	SIO2 BEFORE (%)	SIO2 DIFF. (%)	AL2O3 BEFORE (%)	AL2O3 DIFF. (%)	FE2O3 BEFORE (%)	FE2O3 DIFF. (%)

USE HISTORY: BEFORE FIELD= 2 (LINE 2) AFTER FIELD= 343 (LINE 6)

VIRGIN BURNS IN INTERVAL . . . ./ OTHER BURNS IN I NTERVAL . . . . . /

NO.IN INTVL	BURN QUAL	CERT.	DAYS SINCE VIRG.BURN	CERT.	NO.IN INTVL	LAST BURN TYPE	QUAL	CERT	CALC.2ND GROWTH AGE AT CUT(DAYS)	CERT	AVE. DBH(CM)	HT IF 2ND GROWTH(M)	CERT	TYPE 2ND GROWTH
0	0	0	0	0	0	0	0	0	0	0	0.	0.0	0	0

TOTAL / DAYS INS	/ ANNUAL CROPS TOT.			/ TREE CROPS TOT.			/ FALLOW			/ HISTORY UNKNOWN IN INT.			/ RICE (ANY COMBIN.)		
DAYS IN INTERVAL	INTVL NOT VIRG (DNV)	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	% OF DNV	DAYS SINCE LAST UNK. I.	DAYS	CE-RT	% OF DNV
274	274	0	0	0.0	0	0	0.0	240	4	87.6	0	0.0	0	0	0	0.0

GREEN MAIZE (ANY C) /			BEANS (V. OR P; ANY C) /			MANIOC (B. OR S.; ANY C) /			VIRGIN (USE=1)			/CUT BEFORE BURN (2) /			/BARE AFT. BURN (3) /		
DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF TOT DAYS	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV
0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0

BARE AFT. HARV (4) /			WEEDS (5) /			2ND GROWTH (6) /			RICE ALONE (7) /			RI-GRMZ (8) /			RI-GRMZ-MN (9) /			RI-MN (10) /		
DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	%OF DNV
57	4	20.8	183	4	66.8	0	4	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0

RI-PAST (11) /			RI-GMZ-PA (12) /			RI-OTHER (13) /			GRMZ ALONE (14) /			GRMZ-MN (17) /			GRMZ-PAST (19) /			GRMZ-OTHER (20) /		
DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV
0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0

BEANS ALONE (21) /			BE-DRY MZ (22) /			BE-GRMZ (23) /			BE-MN (24) /			BE-DRY MZ-MN (25) /			BE-GRMZ-MN (26) /			BE-OTHER (27) /		
DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV
0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0

MANIOC ALONE (28) /			MN-OTHER (33) /			PAST W/O ANIM (34) /			PA-2ND GTH (38) /			PA-OT (W/O A) (39) /			PA WITH ANIM (40) /			PA-OT WITH A (41) /		
DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV
0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0

SUGAR CANE (42) / CACAO ALONE(43) /CACAO-BANANA(44) /CAC-BANAN-MN(45) /CAC-BAN-MN-CLIT(46) /CAC-MN-CLIT(47) /CACAO-MN (48) /

DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV
0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0

CACAO-CLIT. (49) / CACAO-OTHER(50) /BLACK PEPPER(51) /B.PEPP-OTHER(52) / COFFEE (53) / COFFEE-OTHER(54) /FRUIT TREES(55) /

DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV
0	0	0.0	0	0	0.0	34	1	12.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0

FRUIT TR-OT(56) / BANANA (57) / BANANA-OT (58) /OTHER ANNUAL(59) /OTHER PEREN. (60) /OTH.PER-OT.ANN(61) /CLITORIA (62) /

DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV
0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0

COTTON (63) / PINEAPPLE (64) / SOYA BEANS (65) / TOBACCO (66) / CURRAL (67) /SWEET POTATOE(68) /

DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV	DAYS	CE-RT	% OF DNV
0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0

RAINFALL (MM) WHILE IN EACH LAND USE CATEGORY .. . .

VIRGIN (USE=1)	CUT BEF. BURN (2)	BARE AFT-BURN (3)	BARE AFT. HARVEST (4)	WEEDS (5)	SECOND GROWTH (6)	RICE ALONE (7)	RICE & GR.MAIZE (8)	RI-GREEN MZ-MANIOC (9)	RICE-MANIOC (10)	RICE-PASTURE (11)	RICE-GR MZ-PAST (12)
0.	0.	0.	286.	2219.	0.	0.	0.	0.	0.	0.	0.

RAINFALL (MM) WHILE IN EACH LAND USE CATEGORY (CONTINUED). . . . . .

RICE-OTHER (13)	GR.MAIZE ALONE (14)	GR.MAIZE MANIOC (17)	GR.MAIZE PASTURE (19)	GR.MAIZE OTHER (20)	BEANS-ALONE (21)	BEANS-DRY MAIZE (22)	BEANS-GR.MAIZE (23)	BEANS-MANIOC (24)	BE-DRY MZ -MANIOC (25)	BE-GREEN MZ-MANIOC (26)	BEANS - OTHER (27)
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RAINFALL (MM) WHILE IN EACH LAND USE CATEGORY (CONTINUED). . . . . .

MANIOC ALONE (28)	MANIOC-OTHER (33)	PAST.W/O ANIMALS (34)	PASTURE-2ND GTH. (38)	PAST-OT. W/O ANIM. (39)	PASTURE W/ ANIM. (40)	PAST-OT W/ ANIM. (41)	SUGAR CANE (42)	CACAO ALONE (43)	CACAO-BANANA (44)	CAC-BAN-MANIOC (45)	CAC-BAN-MN-CLIT. (46)
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

RAINFALL (MM) WHILE IN EACH LAND USE CATEGORY (CONTINUED). . . . . .

CAC-MAN-CLITORIA (47)	CACAO-MANIOC (48)	CACAO-CLITORIA (49)	CACAO-OTHER (50)	BLACK PEPPER (51)	B.PEPPER -OTHER (52)	COFFEE (53)	COFFEE-OTHER (54)	FRUIT TREES (55)	FRUIT TR -OTHER (56)	BANANA (57)	BANANA-OTHER (58)
0.	0.	0.	0.	117.	0.	0.	0.	0.	0.	0.	0.

RAINFALL (MM) WHILE IN EACH LAND USE CATEGORY (CONTINUED). . . . . .

OTHER ANNUAL (59)	OTHER PERENNIAL (60)	OTH.PER-OTH.ANN. (61)	CLITORIA (62)	COTTON (63)	PINEAPPLE (64)	SOYA BEANS (65)	TOBACCO (66)	CURRAL (67)	SWEET POTATOES (68)	TOTAL WHILE BARE	TOT.WHILE ANNUALS CROPS
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	286.	0.

RAIN WHILE IN EACH LAND USE (CONT.)

TOT.WHILE TREE CROPS	TOTAL WHILE PASTURE	TOTAL RAIN IN INTERVAL	MAXIMUM RAIN IN 24 HOURS	USE WHEN MAXIMUM RAIN	DATE OF MAXIMUM RAIN
0.	0.	2622.	86.	5	27546

Sample of data on soil changes.

Amostra dos dados sobre mudanças nos solos.

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********** FILE: NONVIRGSOIL ******
     1      FIELD:   1                                  ABSOLUTE COORDS:(        0,        0)
     2       1    1  369 1   1 190775   7    4  5 1   82                                      1
     3       2    1  369     8 36  999 3 1          1.5 2    0      0     0      0    0
     4      18
     5            1       369   1 54  5 300  375   0  20  12   23  2.9 0.06  0.0  6.2  0  0
     6      16
     7      28    1       369 0.67 0.05 0.05 0.08-0.0 -0.0 -0.0 -0.0 -0.0                  0  0
     8            1       369-0.0 -0.0  0 0.05 1.15 13.-0.0  -0.0  -0.
     9          369    1      10.0 YR 4.0  4                                          0
    10      FIELD:   2                                  ABSOLUTE COORDS:(        0,        0)
    11       1    2  104 1   1 181074         0  2 1   82                                      0
    12       2    2  104     2 36  999 3 1          4.0 1    0      0     0      0    0
    13      18
    14            2       104   1 54  5  50  120   0  20   3   16   .9 0.04   .5  4.8  0  0
    15      16    2  104           20. 60.  6. 14.  3.32  2.55  2.58  0
    16      28    2       104 0.44 0.04 0.02 0.04-0.0 -0.0 -0.0 -0.0 -0.0                  0  0
    17            2       104 2.21 1.35 2 0.04 0.76 11.-0.0  -0.0  -0.
    18         104    2       5.0 YR 4.0  8                                          0
    19      FIELD:   3                                  ABSOLUTE COORDS:(        0,        0)
    20       1    3  105 1   1 181074         0  5 1   82                                      0
    21       2    3  105     2 36  999 3 1          4.0 1    0      0     0      0    0
    22      18
    23            3       105   1 54  5 150  125   0  20   1   16   .8 0.05   .6  4.7  0  0
    24      16    3  105           12. 67. 13.  8.  3.08  1.53  3.77  0
    25      28    3       105 0.62 0.05 0.03 0.04-0.0 -0.0 -0.0 -0.0 -0.0                  0  0
    26            3       105 3.42 1.33 0 0.05 1.06 12.-0.0  -0.0  -0.
    27         105    3       5.0 YR 4.0  8                                          0
    28      FIELD:   4                                  ABSOLUTE COORDS:(        0,        0)
    29       1    4  103 1   1 181074         0  5 1   82                                      0
    30       2    4  103     2 36  999 3 1  0.3 1  4.0 1    0      0     0      0    0
    31      18
    32            4       103   1 54  5 150  300   0  20   3   18  1.4 0.04   .2  5.0  0  0
    33      16    4  103           20. 56.  9. 15.  3.80  2.55  1.99  0
    34      28    4       103 0.43 0.54 0.03 0.05-0.0 -0.0 -0.0 -0.0 -0.0                  0  0
    35            4       103 2.53 1.69 0 0.54 0.74  1.-0.0  -0.0  -0.
    36         103    4       5.0 YR 5.0  8                                          0
    37      FIELD: 343                                  ABSOLUTE COORDS:(        0,        0)
    38       1  343  366 1   1 190775   3    2 51 1   82                                      0
    39       2  343  366     2 36  999 3 1          0.0 1    0      0     0      0    0
    40      18
    41           343       366   1 54  5  50  120   0  20   4   14  0.9 -.0   0.6  5.0  0  0
    42      16
    43      28  343       366 0.42 0.03-0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0                  0  0
    44           343       366-0.0 -0.0  0 0.03 0.72 14.-0.0  -0.0  -0.
    45           366  343      7.5 YR 5.0  6                                          0
    46      FIELD: 344                                  ABSOLUTE COORDS:(        0,        0)
    47       1  344  367 1   1 190775   4    3 39 1   82                                      0
    48       2  344  367     2 36  999 3 1         13.1 1    0      0     0      0    0
    49      18
    50           344       367   1 54  5 150  125   0  20   2   18  1.3 -.0   0.3  5.4  0  0
    51      16
    52      28  344       367 0.46 0.03-0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0                  0  0
    53           344       367-0.0 -0.0  0 0.03 0.79 15.-0.0  -0.0  -0.
    54           367  344      5.0 YR 4.0  8                                          0
    55      FIELD: 345                                  ABSOLUTE COORDS:(        0,        0)
    56       1  345  368 1   1 190775   5    4  6 1   82                                      0
    57       2  345  368     2 36  999 3 1         12.6 1    0      0     0      0    0
    58      18
    59           345       368   1 54  5 150  300   0  20   3   16  0.4 -.0   1.0  4.6  0  0
```

Sample of data on land-use history.

Amostra dos dados sobre histórico do uso da terra.

****** FILE: ONE23 ******

1	23	1	4	0	7	3				150175	3
2	23	1		1	7	5				150575	3
3	23	2		0	1	1				150773	3
4	23	2		0	1	2	3	2	120873		2
5	23	2		0	14	3				151273	3
6	23	2		0	14	6				150474	3
7	23	2		0	21	3				150674	3
8	23	2		1	21	5				151074	3
9	23	3		0	1	1				151072	2
10	23	3		0	1	2	1	2	151272		2
11	23	3		0	7	3				150173	2
12	23	3		0	7	5				150673	1
13	23	3		0	14	3				151273	3
14	23	3		0	7	3				300174	2
15	23	3		0	14	6				150474	3
16	23	3		1	7	5				010674	2
17	23	4		0	1	1				150773	3
18	23	4		0	1	2	3	2	120873		2
19	23	4		0	7	3				150174	3
20	23	4		1	7	5				150574	3
21	23	343	2	1	51	3				150675	4
22	23	344	3	1	34	7	3	1	310175		4
23	23	345	4	1							
24	23	346	4	0	14	3				150675	4
25	23	346	4	1	21	3				150675	4
26	23	347		0	1	1				011074	1
27	23	347		0	1	2	2	2	271074		2
28	23	347		0	7	3				150175	4
29	23	347		1	7	5				150675	4
30	23	5		0	1	1				211073	2
31	23	5		0	1	2				171173	2
32	23	5		0	7	3				150174	4
33	23	5		0	34	3	5	1	010674		4
34	23	5		1	7	5				150674	4
35	23	7		0	1	1				211073	2
36	23	7		0	1	2	1	2	171173		2
37	23	7		0	14	3				010174	4
38	23	7		0	7	3				150174	4
39	23	7		0	14	4				010574	4
40	23	7		1	7	5				150674	4
41	23	8		0	1	1				73	2
42	23	8		0	1	2	3			73	2
43	23	8		0	7	3				300174	3
44	23	8		1	7	5				150674	3
45	23	9		0	1	1				151072	3
46	23	9		0	1	2	3	2	151272		3
47	23	9		0	7	3				150173	3
48	23	9		0	7	5				150573	4
49	23	9		0	51	3				160573	3
50	23	9		1	59	3				150174	4
51	23	10		0	1	1				011073	2
52	23	10		0	1	2	3	2	151173		2
53	23	10		0	14	3				151273	4
54	23	10		0	7	3				150174	4
55	23	10		0	14	4				150474	4
56	23	10		0	7	5				150574	3
57	23	10		1	21	3				300574	3
58	23	11		0	1	1				011073	2
59	23	11		0	1	2	1	2	151173		2

Sample of data on initial soil quality.

Amostra dos dados sobre qualidade inicial do solo.

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******** FILE BACK (CARTOGRAPH BACKGROUND + LOT CORNER COODINATES) ****
      .001 B:0,0;0,35000;23000,35000;23000,0
      .002 O:20000,25000;20000,30000;19500,29000
      .003 O:20000,25000;21200,29700;20500,29000
      .004 B:13200,1200;13200,1000;14200,1000;14200,1400;15200,1400;15200,1000;16200,1000;16200,1200
      .005 T:19000,30200;21000,30200;M.N.
      .006 T:20700,29900;22700,29900;T.N.
      .007 T:150,34000;22990,34000;TRANSAMAZON  HIGHWAY  INTENSIVE  STUDY  AREA
      .008 T:7000,2000;18000,2000;TOTAL AREA: 23600 HECTARES
      .009 T:10000,1000;13000,1000;SCALE:
      .01  T:17400,1000;19400,1000;3 KM
      .011 T:9500,32000;10500,32000;PH
      .012 T:6000,32000;14000,32000;PHOSPHORUS (PPM)
      .013 T: 6000,32000;14000,32000;POTASSIUM (PPM)
      .014 T:4000,32000;16000,32000;CALCIUM AND MAGNESIUM (ME PER 100G)
      .015 T:7500,32000;12500,32000;CARBON (%)
      .016 T:7000,32000;13000,32000;NITROGEN (%)
      .017 T:1000,32000;22000,32000;ALUMINUM (AL+++ ME PER 100G)
      .018 T:6000,32000;14000,32000;COARSE SAND (%)
      .019 T:6500,32000;13500,32000;FINE SAND (%)
      .02  T:8000,32000;12000,32000;SILT (%)
      .021 T:6500,32000;13500,32000;TOTAL CLAY (%)
      .022 T:7500,32000;12500,32000;SLOPE (%)
      .023 T:1000,32000;22000,32000;JOINT VARIATION OF PH, CARBON AND NITROGEN
      .024 T:1000,32000;22000,32000;CRITICAL VALUES: PH>4.5  C>0.87% (O.M.>1.5%)  N>0.40%
      .025 T:1000,32000;22000,32000;JOINT VARIATION OF SOIL FERTILITY AND SLOPE
      .026 T:1000,32000;22000,32000;(SOIL FERTILITY = C, N AND PH ABOVE CRITICAL VALUES)
      .027 T:3000,32000;20000,32000;(CRITICAL VALUES: SLOPE<20% PH>4.5 C>0.87% (O.M.>1.5%)  N>0.40%)
      .028 T:1000,32500;22000,32500;LOCATIONS OF SAMPLES FOR "BASIC FERTILITY" MAPS
      .029 T:2000,31500;21000,31500;(PHOSPHORUS, POTASSIUM, CALCIUM AND MAGNESIUM, ALUMINUM, AND PH)
      .03  T:2181,32000;17819,32000;LOCATIONS OF SAMPLES FOR CARBON MAP
      .031 T:1734,32000;18266,32000;LOCATIONS OF SAMPLES FOR NITROGEN MAP
      .032 T:1000,32000;22000,32000;LOCATIONS OF SAMPLES FOR GRANULOMETRIC MAPS
      .033 T:2181,32000;17819,32000;LOCATIONS OF SAMPLES FOR SLOPE MAP
      .034 T:13500,31000;22200,31000;NUMBER OF SAMPLES USED =
      .035  B:  5495,  3600;  5495,  4000;  2800,  3900;  2800,  3500
      .036  B:  5495,  4000;  5495,  4400;  2800,  4310;  2800,  3900
      .037  B:  5495,  4400;  5495,  4800;  2800,  4710;  2800,  4310
      .038  B:  5495,  4800;  5495,  5200;  2800,  5110;  2800,  4710
      .039  B:  5495,  5200;  5495,  5600;  2800,  5510;  2800,  5110
      .04   B:  5495,  5600;  5495,  6000;  2800,  5910;  2800,  5510
      .041  B:  5495,  6000;  5495,  6400;  2800,  6310;  2800,  5910
      .042  B:  5495,  6400;  5495,  6800;  2800,  6710;  2800,  6310
      .043  B:  5495,  6800;  5495,  7200;  2800,  7110;  2800,  6710
      .044  B:  5495,  7200;  5495,  7600;  2800,  7510;  2800,  7110
      .045  B:  5495,  7600;  5495,  8000;  2800,  7900;  2800,  7510
      .046  B:  5495,  8000;  5495,  8400;  2800,  8300;  2800,  7900
      .047  B:  5495,  8400;  5495,  8800;  2800,  8700;  2800,  8300
      .048  B:  5495,  8800;  5495,  9200;  2800,  9100;  2800,  8700
      .049  B:  5495,  9200;  5495,  9600;  2800,  9500;  2800,  9100
      .05   B:  5495,  9600;  5495, 10000;  2800,  9900;  2800,  9500
      .051  B:  5495, 10000;  5495, 10400;  2800, 10300;  2800,  9900
      .052  B:  5495, 10400;  5495, 10800;  2800, 10700;  2800, 10300
      .053  B:  5495, 10800;  5495, 11200;  2800, 11100;  2800, 10700
      .054  B:  5495, 11200;  5495, 11600;  2800, 11500;  2800, 11100
      .055  B:  5495, 11600;  5495, 12000;  2800, 11900;  2800, 11500
      .056  B:  5495, 12000;  5495, 12400;  2800, 12200;  2800, 11900
      .057  B:  5495, 12400;  5495, 12800;  2800, 12500;  2800, 12200
      .058  B:  5495, 12800;  5600, 13100;  2800, 12850;  2800, 12500
      .059  B:  5505,  4000;  5505,  3600;  8200,  3650;  8200,  4100
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********** FILE: QCOORDS (QUADRAT CORNER COORDINATES FOR CARTOGRAPH) ******

1	5495,	3600;	4956,	3580;	4956,	3980;	5495,	4000
2	4956,	3580;	4417,	3560;	4417,	3960;	4956,	3980
3	4417,	3560;	3878,	3540;	3878,	3940;	4417,	3960
4	3878,	3540;	3339,	3520;	3339,	3920;	3878,	3940
5	3339,	3520;	2800,	3500;	2800,	3900;	3339,	3920
6	5495,	4000;	4956,	3980;	4956,	4382;	5495,	4400
7	4956,	3980;	4417,	3960;	4417,	4364;	4956,	4382
8	4417,	3960;	3878,	3940;	3878,	4346;	4417,	4364
9	3878,	3940;	3339,	3920;	3339,	4328;	3878,	4346
10	3339,	3920;	2800,	3900;	2800,	4310;	3339,	4328
11	5495,	4400;	4956,	4382;	4956,	4782;	5495,	4800
12	4956,	4382;	4417,	4364;	4417,	4764;	4956,	4782
13	4417,	4364;	3878,	4346;	3878,	4746;	4417,	4764
14	3878,	4346;	3339,	4328;	3339,	4728;	3878,	4746
15	3339,	4328;	2800,	4310;	2800,	4710;	3339,	4728
16	5495,	4800;	4956,	4782;	4956,	5182;	5495,	5200
17	4956,	4782;	4417,	4764;	4417,	5164;	4956,	5182
18	4417,	4764;	3878,	4746;	3878,	5146;	4417,	5164
19	3878,	4746;	3339,	4728;	3339,	5128;	3878,	5146
20	3339,	4728;	2800,	4710;	2800,	5110;	3339,	5128
21	5495,	5200;	4956,	5182;	4956,	5582;	5495,	5600
22	4956,	5182;	4417,	5164;	4417,	5564;	4956,	5582
23	4417,	5164;	3878,	5146;	3878,	5546;	4417,	5564
24	3878,	5146;	3339,	5128;	3339,	5528;	3878,	5546
25	3339,	5128;	2800,	5110;	2800,	5510;	3339,	5528
26	5495,	5600;	4956,	5582;	4956,	5982;	5495,	6000
27	4956,	5582;	4417,	5564;	4417,	5964;	4956,	5982
28	4417,	5564;	3878,	5546;	3878,	5946;	4417,	5964
29	3878,	5546;	3339,	5528;	3339,	5928;	3878,	5946
30	3339,	5528;	2800,	5510;	2800,	5910;	3339,	5928
31	5495,	6000;	4956,	5982;	4956,	6382;	5495,	6400
32	4956,	5982;	4417,	5964;	4417,	6364;	4956,	6382
33	4417,	5964;	3878,	5946;	3878,	6346;	4417,	6364
34	3878,	5946;	3339,	5928;	3339,	6328;	3878,	6346
35	3339,	5928;	2800,	5910;	2800,	6310;	3339,	6328
36	5495,	6400;	4956,	6382;	4956,	6782;	5495,	6800
37	4956,	6382;	4417,	6364;	4417,	6764;	4956,	6782
38	4417,	6364;	3878,	6346;	3878,	6746;	4417,	6764
39	3878,	6346;	3339,	6328;	3339,	6728;	3878,	6746
40	3339,	6328;	2800,	6310;	2800,	6710;	3339,	6728
41	5495,	6800;	4956,	6782;	4956,	7182;	5495,	7200
42	4956,	6782;	4417,	6764;	4417,	7164;	4956,	7182
43	4417,	6764;	3878,	6746;	3878,	7146;	4417,	7164
44	3878,	6746;	3339,	6728;	3339,	7128;	3878,	7146
45	3339,	6728;	2800,	6710;	2800,	7110;	3339,	7128
46	5495,	7200;	4956,	7182;	4956,	7582;	5495,	7600
47	4956,	7182;	4417,	7164;	4417,	7564;	4956,	7582
48	4417,	7164;	3878,	7146;	3878,	7546;	4417,	7564
49	3878,	7146;	3339,	7128;	3339,	7528;	3878,	7546
50	3339,	7128;	2800,	7110;	2800,	7510;	3339,	7528
51	5495,	7600;	4956,	7582;	4956,	7980;	5495,	8000
52	4956,	7582;	4417,	7564;	4417,	7960;	4956,	7980
53	4417,	7564;	3878,	7546;	3878,	7940;	4417,	7960
54	3878,	7546;	3339,	7528;	3339,	7920;	3878,	7940
55	3339,	7528;	2800,	7510;	2800,	7900;	3339,	7920
56	5495,	8000;	4956,	7980;	4956,	8380;	5495,	8400
57	4956,	7980;	4417,	7960;	4417,	8360;	4956,	8380
58	4417,	7960;	3878,	7940;	3878,	8340;	4417,	8360
59	3878,	7940;	3339,	7920;	3339,	8320;	3878,	8340

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1140        15860, 16130; 15850, 15775; 15455, 15450; 15445, 15840
1141        16300, 18000; 16300, 17610; 15890, 17195; 15900, 17550
1142        16300, 17610; 16300, 17220; 15880, 16840; 15890, 17195
1143        16300, 17220; 16300, 16830; 15870, 16485; 15880, 16840
1144        16300, 16830; 16300, 16440; 15860, 16130; 15870, 16485
1145        16300, 16440; 16300, 16050; 15850, 15775; 15860, 16130
1146        16900, 18450; 16850, 18020; 16300, 17610; 16300, 18000
1147        16850, 18020; 16800, 17590; 16300, 17220; 16300, 17610
1148        16800, 17590; 16750, 17160; 16300, 16830; 16300, 17220
1149        16750, 17160; 16700, 16730; 16300, 16440; 16300, 16830
1150        16700, 16730; 16650, 16300; 16300, 16050; 16300, 16440
1151        17300, 18700; 17260, 18280; 16850, 18020; 16900, 18450
1152        17260, 18280; 17220, 17860; 16800, 17590; 16850, 18020
1153        17220, 17860; 17180, 17440; 16750, 17160; 16800, 17590
1154        17180, 17440; 17140, 17020; 16700, 16730; 16750, 17160
1155        17140, 17020; 17100, 16600; 16650, 16300; 16700, 16730
1156        17750, 18900; 17700, 18480; 17260, 18280; 17300, 18700
1157        17700, 18480; 17650, 18060; 17220, 17860; 17260, 18280
1158        17650, 18060; 17600, 17640; 17180, 17440; 17220, 17860
1159        17600, 17640; 17550, 17220; 17140, 17020; 17180, 17440
1160        17550, 17220; 17500, 16800; 17100, 16600; 17140, 17020
1161        15405, 17450; 15405, 17845; 15900, 18025; 15900, 17600
1162        15405, 17845; 15405, 18240; 15900, 18450; 15900, 18025
1163        15405, 18240; 15405, 18635; 15900, 18875; 15900, 18450
1164        15405, 18635; 15405, 19030; 15900, 19300; 15900, 18875
1165        15405, 19030; 15405, 19425; 15900, 19725; 15900, 19300
1166        15900, 17600; 15900, 18025; 16300, 18435; 16300, 18050
1167        15900, 18025; 15900, 18450; 16300, 18820; 16300, 18435
1168        15900, 18450; 15900, 18875; 16300, 19205; 16300, 18820
1169        15900, 18875; 15900, 19300; 16300, 19590; 16300, 19205
1170        15900, 19300; 15900, 19725; 16300, 19975; 16300, 19590
1171        16300, 18050; 16300, 18435; 16860, 18840; 16900, 18500
1172        16300, 18435; 16300, 18820; 16820, 19180; 16860, 18840
1173        16300, 18820; 16300, 19205; 16780, 19520; 16820, 19180
1174        16300, 19205; 16300, 19590; 16740, 19860; 16780, 19520
1175        16300, 19590; 16300, 19975; 16700, 20200; 16740, 19860
1176        16900, 18500; 16860, 18840; 17250, 19120; 17300, 18800
1177        16860, 18840; 16820, 19180; 17200, 19440; 17250, 19120
1178        16820, 19180; 16780, 19520; 17150, 19760; 17200, 19440
1179        16780, 19520; 16740, 19860; 17100, 20080; 17150, 19760
1180        16740, 19860; 16700, 20200; 17050, 20400; 17100, 20080
END OF FILE

**********FILE: BFSAMP (BASIC FERTILITY SAMPLE LOCATIONS FOR CARTOGRAPH) *****
     1        5282,  3932
     2        5282,  3932
     3        5282,  3932
     4        5282,  3932
     5        5282,  3932
     6        5288,  4162
     7        5288,  4162
     8        5288,  4162
     9        5288,  4162
    10        5288,  4162
    11        5433,  4447
    12        5288,  4162
    13        5288,  4162
    14        5288,  4162
    15        5288,  4162
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****** FILE: SOILQUADS *******
     1       PARCEL NO:   1   QUADRAT NO: 1
     2         5495.   3600.   4956.   3580.   4956.   3980.   5495.   4000.   5226.   3790.
     3         1.  43.  1.0  0.9  4.6 274        5282.   3932.  153.
     4         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 0
     5        0.02 274        5282.   3932.  153.
     6         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 0
     7        0.67 277        5433.   4447.  689.
     8         5383.   4397.   5383.   4497.   5483.   4497.   5483.   4397. 0
     9        61.  7. 19. 13. 274        5282.   3932.  153.
    10         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 0
    11        40. 274        5282.   3932.  153.
    12         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 0
    13       PARCEL NO:   1   QUADRAT NO: 2
    14         4956.   3580.   4417.   3560.   4417.   3960.   4956.   3980.   4687.   3770.
    15         1.  43.  1.0  0.9  4.6 274        5282.   3932.  617.
    16         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    17        0.02 274        5282.   3932.  617.
    18         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    19        0.67 277        5433.   4447. 1008.
    20         5383.   4397.   5383.   4497.   5483.   4497.   5483.   4397. 1
    21        61.  7. 19. 13. 274        5282.   3932.  617.
    22         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    23        40. 274        5282.   3932.  617.
    24         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    25       PARCEL NO:   1   QUADRAT NO: 3
    26         4417.   3560.   3878.   3540.   3878.   3940.   4417.   3960.   4148.   3750.
    27         1.  43.  1.0  0.9  4.6 274        5282.   3932. 1149.
    28         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    29        0.02 274        5282.   3932. 1149.
    30         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    31        0.67 277        5433.   4447. 1462.
    32         5383.   4397.   5383.   4497.   5483.   4497.   5483.   4397. 1
    33        61.  7. 19. 13. 274        5282.   3932. 1149.
    34         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    35        40. 274        5282.   3932. 1149.
    36         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    37       PARCEL NO:   1   QUADRAT NO: 4
    38         3878.   3540.   3339.   3520.   3339.   3920.   3878.   3940.   3609.   3730.
    39         1.  43.  1.0  0.9  4.6 274        5282.   3932. 1686.
    40         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    41        0.02 274        5282.   3932. 1686.
    42         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    43        0.67 277        5433.   4447. 1960.
    44         5383.   4397.   5383.   4497.   5483.   4497.   5483.   4397. 1
    45        61.  7. 19. 13. 274        5282.   3932. 1686.
    46         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    47        40. 274        5282.   3932. 1686.
    48         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    49       PARCEL NO:   1   QUADRAT NO: 5
    50         3339.   3520.   2800.   3500.   2800.   3900.   3339.   3920.   3070.   3710.
    51         1.  43.  1.0  0.9  4.6 274        5282.   3932. 2224.
    52         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    53        0.02 274        5282.   3932. 2224.
    54         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    55        0.67 277        5433.   4447. 2476.
    56         5383.   4397.   5383.   4497.   5483.   4497.   5483.   4397. 1
    57        61.  7. 19. 13. 274        5282.   3932. 2224.
    58         5232.   3882.   5232.   3982.   5332.   3982.   5332.   3882. 1
    59        40. 274        5282.   3932. 2224.
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TABLES OF TRANSITION PROBABILITIES FOLLOW FOR A MOVE OF 100. METERS
(CALCULATED FROM SAMPLES WHICH ARE 100. METERS FROM EACH REFERENCE SAMPLE + OR - 100 METERS

CARBON TRANSITION PROBABILITIES

	0.00-0.49	0.50-0.99	1.00-1.49	1.50-1.99	2.00 UP	SAMP.SIZE
0.00-0.49	0.0	0.0	0.0	0.0	0.0	0.
0.50-0.99	0.0	1.00	0.0	0.0	0.0	2.
1.00-1.49	0.0	0.0	0.0	1.00	0.0	1.
1.50-1.99	0.0	0.0	1.00	0.0	0.0	1.
2.00 UP	0.0	0.0	0.0	0.0	0.0	0.

NITROGEN TRANSITION PROBABILITIES

	0.00-0.04	0.05-0.09	0.10-0.14	0.15-0.19	0.20 UP	SAMP.SIZE
0.00-0.04	0.0	0.0	0.0	0.0	0.0	0.
0.05-0.09	0.0	0.50	0.25	0.0	0.25	4.
0.10-0.14	0.0	0.25	0.0	0.50	0.25	4.
0.15-0.19	0.0	0.0	0.50	0.0	0.50	4.
0.20 UP	0.0	0.25	0.25	0.50	0.0	4.

PH TRANSITION PROBABILITIES

	0.0-3.9	4.0-4.4	4.5-4.9	5.0-5.4	5.5-5.9	6.0-6.4	6.5 UP	SAMP.SIZE
0.0-3.9	0.0	0.33	0.0	0.33	0.33	0.0	0.0	3.
4.0-4.4	0.09	0.73	0.09	0.0	0.0	0.0	0.09	11.
4.5-4.9	0.0	0.17	0.33	0.0	0.50	0.0	0.0	6.
5.0-5.4	0.09	0.0	0.0	0.36	0.36	0.18	0.0	11.
5.5-5.9	0.11	0.0	0.33	0.44	0.0	0.11	0.0	9.
6.0-6.4	0.0	0.0	0.0	0.40	0.20	0.40	0.0	5.
6.5 UP	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.

C, N & PH JOINT TRANSITION PROBABILITIES

	C+N+PH+	C-N+PH+	C+N-PH+	C+N+PH-	C-N-PH+	C+N-PH-	C-N+PH-	C-N-PH-	SAMP.SIZE
C+N+PH+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C-N+PH+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C+N-PH+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C+N+PH-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C-N-PH+	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	4.
C+N-PH-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C-N+PH-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C-N-PH-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

C 17: 045

ABLES OF TRANSITION PROBABILITIES FOLLOW FOR A MOVE OF 500. METERS
CALCULATED FROM SAMPLES WHICH ARE 500. METERS FROM EACH REFERENCE SAMPLE + OR - 100 METERS

CARBON TRANSITION PROBABILITIES

	0.00-0.49	0.50-0.99	1.00-1.49	1.50-1.99	2.00 UP	SAMP.SIZE
.00-0.49	0.0	0.0	0.0	0.0	0.0	0.
.50-0.99	0.0	1.00	0.0	0.0	0.0	4.
.00-1.49	0.0	0.0	0.0	0.0	0.0	0.
.50-1.99	0.0	0.0	0.0	0.0	0.0	0.
.00 UP	0.0	0.0	0.0	0.0	0.0	0.

NITROGEN TRANSITION PROBABILITIES

	0.00-0.04	0.05-0.09	0.10-0.14	0.15-0.19	0.20 UP	SAMP.SIZE
.00-0.04	0.20	0.80	0.0	0.0	0.0	10.
.05-0.09	0.31	0.54	0.08	0.08	0.0	26.
.10-0.14	0.0	0.40	0.0	0.40	0.20	5.
.15-0.19	0.0	0.29	0.29	0.29	0.14	7.
.20 UP	0.0	0.0	0.50	0.50	0.0	2.

PH TRANSITION PROBABILITIES

	0.0-3.9	4.0-4.4	4.5-4.9	5.0-5.4	5.5-5.9	6.0-6.4	6.5 UP	SAMP.SIZE
0.0-3.9	0.40	0.43	0.09	0.06	0.0	0.0	0.03	35.
4.0-4.4	0.25	0.43	0.15	0.08	0.08	0.02	0.0	61.
4.5-4.9	0.12	0.36	0.24	0.08	0.12	0.08	0.0	25.
5.0-5.4	0.12	0.29	0.12	0.24	0.24	0.0	0.0	17.
5.5-5.9	0.0	0.25	0.15	0.20	0.30	0.10	0.0	20.
6.0-6.4	0.0	0.20	0.40	0.0	0.40	0.0	0.0	5.
6.5 UP	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.

C, N & PH JOINT TRANSITION PROBABILITIES

	C+N+PH+	C-N+PH+	C+N-PH+	C+N+PH-	C-N-PH+	C+N-PH-	C-N+PH-	C-N-PH-	SAMP.SIZE
C+N+PH+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C-N+PH+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C+N-PH+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C+N+PH-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C-N-PH+	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	4.
C+N-PH-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C-N+PH-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
C-N-PH-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

```
******* FILE: VIRGINNEIGHBORS *****
     1          1 584   0  3.8 0.09 1.11  10041.  25970.  21   0    575.  5.4 0.09-0.0
     2          2  13   0  4.2-0.0 -0.0   10535.  29321. 141   0    537.  4.2 0.06-0.0
     3          3  13   0  4.2-0.0 -0.0   10535.  29321.  52   0    596.  5.8-0.0 -0.0
     4          4  13   0  4.2-0.0 -0.0   10535.  29321. 424   0    412.  4.1-0.0 -0.0
     5          5  13   0  4.2-0.0 -0.0   10535.  29321. 217   0    539.  3.8 0.06-0.0
     6          6  18   0  5.5-0.0 -0.0    9950.  28512. 141   0    461.  4.2 0.06-0.0
     7          7  18   0  5.5-0.0 -0.0    9950.  28512. 143   0    250.  5.7 0.17 1.40
     8          8  18   0  5.5-0.0 -0.0    9950.  28512. 167   0    550.  5.3 0.10-0.0
     9          9 141   0  4.2 0.06-0.0   10216.  28889.  13   0    537.  4.2-0.0 -0.0
    10         10 141   0  4.2 0.06-0.0   10216.  28889.  18   0    461.  5.5-0.0 -0.0
    11         11 141   0  4.2 0.06-0.0   10216.  28889. 143   0    538.  5.7 0.17 1.40
    12         12 141   0  4.2 0.06-0.0   10216.  28889.  52   0    396.  5.8-0.0 -0.0
    13         13 141   0  4.2 0.06-0.0   10216.  28889. 424   0    479.  4.1-0.0 -0.0
    14         14 141   0  4.2 0.06-0.0   10216.  28889. 167   0    337.  5.3 0.10-0.0
    15         15 143   0  5.7 0.17 1.40   9737.  28643.  18   0    250.  5.5-0.0 -0.0
    16         16 143   0  5.7 0.17 1.40   9737.  28643. 141   0    538.  4.2 0.06-0.0
    17         17 143   0  5.7 0.17 1.40   9737.  28643. 167   0    459.  5.3 0.10-0.0
    18         18  21   0  5.4 0.09-0.0    9913.  25409. 584   0    575.  3.8 0.09 1.11
    19         19  29   0  3.9-0.0 -0.0   10739.  16158.  65   0    543.  4.0-0.0 -0.0
    20         20  29   0  3.9-0.0 -0.0   10739.  16158.  66   0    543.  4.1-0.0 -0.0
    21         21  29   0  3.9-0.0 -0.0   10739.  16158. 169   0    413.  4.1 0.26 1.89
    22         22  29   0  3.9-0.0 -0.0   10739.  16158. 191   0    572.  4.5 0.16-0.0
    23         23  29   0  3.9-0.0 -0.0   10739.  16158. 505   0    511.  4.2-0.0 -0.0
    24         24  32   0  4.1-0.0 -0.0    5383.   9106.  76   0    412.  4.0-0.0 -0.0
    25         25  32   0  4.1-0.0 -0.0    5383.   9106. 285   0    428.  4.1 0.07 0.80
    26         26  32   0  4.1-0.0 -0.0    5383.   9106. 286   0    451.  4.1-0.0 -0.0
    27         27  34   0  4.5-0.0 -0.0    5120.  12723.  36   0    213.  5.5-0.0 -0.0
    28         28  34   0  4.5-0.0 -0.0    5120.  12723. 151   0     75.  4.5 0.10 0.96
    29         29  36   0  5.5-0.0 -0.0    4981.  12562.  34   0    213.  4.5-0.0 -0.0
    30         30  36   0  5.5-0.0 -0.0    4981.  12562. 151   0    168.  4.5 0.10 0.96
    31         31 151   0  4.5 0.10 0.96   5045.  12717.  34   0     75.  4.5-0.0 -0.0
    32         32 151   0  4.5 0.10 0.96   5045.  12717.  36   0    168.  5.5-0.0 -0.0
    33         33  43   0  4.0 0.10 0.81  10050.  16549. 191   0    251.  4.5 0.16-0.0
    34         34  46   0  5.8-0.0 -0.0   10692.  28289. 706   0     71.  4.7-0.0 -0.0
    35         35  46   0  5.8-0.0 -0.0   10692.  28289.  47   0    218.  5.7-0.0 -0.0
    36         36  46   0  5.8-0.0 -0.0   10692.  28289.  52   0    452.  5.8-0.0 -0.0
    37         37 706   0  4.7-0.0 -0.0   10648.  28233.  46   0     71.  5.8-0.0 -0.0
    38         38 706   0  4.7-0.0 -0.0   10648.  28233.  47   0    154.  5.7-0.0 -0.0
    39         39 706   0  4.7-0.0 -0.0   10648.  28233.  52   0    498.  5.8-0.0 -0.0
    40         40  47   0  5.7-0.0 -0.0   10626.  28081.  46   0    218.  5.8-0.0 -0.0
    41         41  47   0  5.7-0.0 -0.0   10626.  28081. 706   0    154.  4.7-0.0 -0.0
    42         42  47   0  5.7-0.0 -0.0   10626.  28081. 297   0    561.  5.8-0.0 -0.0
    43         43  52   0  5.8-0.0 -0.0   10577.  28726.  13   0    596.  4.2-0.0 -0.0
    44         44  52   0  5.8-0.0 -0.0   10577.  28726. 141   0    396.  4.2 0.06-0.0
    45         45  52   0  5.8-0.0 -0.0   10577.  28726.  46   0    452.  5.8-0.0 -0.0
    46         46  52   0  5.8-0.0 -0.0   10577.  28726. 706   0    498.  4.7-0.0 -0.0
    47         47  52   0  5.8-0.0 -0.0   10577.  28726. 424   0    243.  4.1-0.0 -0.0
    48         48 424   0  4.1-0.0 -0.0   10692.  28940.  13   0    412.  4.2-0.0 -0.0
    49         49 424   0  4.1-0.0 -0.0   10692.  28940. 141   0    479.  4.2 0.06-0.0
    50         50 424   0  4.1-0.0 -0.0   10692.  28940.  52   0    243.  5.8-0.0 -0.0
    51         51  59   0  4.4 0.06 0.57  10184.  26942.  62   0    380.  5.3 0.13 1.10
    52         52  62   0  5.3 0.13 1.10  10090.  26574.  59   0    380.  4.4 0.06 0.57
    53         53  65   0  4.0-0.0 -0.0   11192.  16457.  29   0    543.  3.9-0.0 -0.0
    54         54  65   0  4.0-0.0 -0.0   11192.  16457. 372   0    580.  4.2-0.0 -0.0
    55         55  65   0  4.0-0.0 -0.0   11192.  16457. 505   0    179.  4.2-0.0 -0.0
    56         56  65   0  4.0-0.0 -0.0   11192.  16457. 506   0    337.  3.8-0.0 -0.0
    57         57  66   0  4.1-0.0 -0.0   11192.  16457.  29   0    543.  3.9-0.0 -0.0
    58         58  66   0  4.1-0.0 -0.0   11192.  16457. 372   0    580.  4.2-0.0 -0.0
    59         59  66   0  4.1-0.0 -0.0   11192.  16457. 505   0    179.  4.2-0.0 -0.0
```

Probabilities for generation of initial soil quality.

Probabilidades para geração da qualidade inicial do solo.

******** FILE: EROSIONPROBS *****

TRANSITION PROBABILITIES FOR A MOVE OF 100 METERS

COARSE SAND (%) TRANSITION PROBABILITIES

	0-14	15-29	30-44	45-59	60-74	75-89	90-100	SAMP.SIZE
0-14	0.80	0.20	0.0	0.0	0.0	0.0	0.0	15.
15-29	0.40	0.60	0.0	0.0	0.0	0.0	0.0	5.
30-44	0.0	0.0	1.00	0.0	0.0	0.0	0.0	2.
45-59	0.11	0.0	0.0	0.67	0.22	0.0	0.0	9.
60-74	0.0	0.0	0.0	0.20	0.60	0.20	0.0	5.
75-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
90-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

FINE SAND (%) TRANSITION PROBABILITIES

	0-14	15-29	30-44	45-59	60-74	75-89	90-100	SAMP.SIZE
0-14	0.86	0.10	0.05	0.0	0.0	0.0	0.0	21.
15-29	0.55	0.45	0.0	0.0	0.0	0.0	0.0	11.
30-44	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.
45-59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
60-74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
75-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
90-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

SILT (%) TRANSITION PROBABILITIES

	0-14	15-29	30-44	45-59	60-74	75-89	90-100	SAMP.SIZE
0-14	0.70	0.20	0.10	0.0	0.0	0.0	0.0	10.
15-29	0.22	0.67	0.11	0.0	0.0	0.0	0.0	9.
30-44	0.0	0.0	0.70	0.30	0.0	0.0	0.0	10.
45-59	0.0	0.0	0.0	0.80	0.20	0.0	0.0	5.

60-74	0.0	0.0	0.50	0.50	0.0	0.0	0.0	2.
75-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
90-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

CLAY (%) TRANSITION PROBABILITIES

	0-14	15-29	30-44	45-59	60-74	75-89	90-100	SAMP.SIZE
0-14	0.50	0.33	0.17	0.0	0.0	0.0	0.0	6.
15-29	0.17	0.58	0.25	0.0	0.0	0.0	0.0	12.
30-44	0.0	0.08	0.92	0.0	0.0	0.0	0.0	12.
45-59	0.0	0.0	0.25	0.75	0.0	0.0	0.0	4.
60-74	0.0	0.0	0.0	0.0	1.00	0.0	0.0	1.
75-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
90-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

SLOPE (%) TRANSITION PROBABILITIES

	0-4	5-9	10-19	20-29	30-49	50-69	70-90	SAMP.SIZE
0-4	0.56	0.22	0.11	0.0	0.11	0.0	0.0	9.
5-9	0.08	0.58	0.25	0.08	0.0	0.0	0.0	12.
10-19	0.08	0.17	0.42	0.33	0.0	0.0	0.0	12.
20-29	0.0	0.14	0.14	0.57	0.0	0.14	0.0	7.
30-49	0.0	0.0	0.50	0.25	0.25	0.0	0.0	4.
50-69	0.0	0.0	0.0	1.00	0.0	0.0	0.0	1.
70-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

SOIL DEPTH (CM) TRANSITION PROBABILITIES

	0-1	2-4	5-9	10-14	15-19	20-99	100 UP	SAMP.SIZE
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
2-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
5-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
10-14	0.0	0.0	0.0	0.0	1.00	0.0	0.0	1.
15-19	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.
20-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
100 UP	0.0	0.0	0.0	0.0	0.0	0.0	1.00	40.

TRANSITION PROBABILITIES FOR A MOVE OF 500 METERS

COARSE SAND (%) TRANSITION PROBABILITIES

	0-14	15-29	30-44	45-59	60-74	75-89	90-100	SAMP.SIZE
0-14	0.73	0.09	0.18	0.0	0.0	0.0	0.0	11.
15-29	0.0	0.40	0.40	0.20	0.0	0.0	0.0	5.
30-44	0.11	0.44	0.22	0.22	0.0	0.0	0.0	9.
45-59	0.22	0.11	0.33	0.11	0.22	0.0	0.0	9.
60-74	0.0	0.20	0.40	0.40	0.0	0.0	0.0	5.
75-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
90-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

FINE SAND (%) TRANSITION PROBABILITIES

	0-14	15-29	30-44	45-59	60-74	75-89	90-100	SAMP.SIZE
0-14	0.64	0.36	0.0	0.0	0.0	0.0	0.0	14.
15-29	0.38	0.38	0.25	0.0	0.0	0.0	0.0	16.
30-44	0.33	0.67	0.0	0.0	0.0	0.0	0.0	3.
45-59	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.
60-74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
75-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
90-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

SILT (%) TRANSITION PROBABILITIES

	0-14	15-29	30-44	45-59	60-74	75-89	90-100	SAMP.SIZE
0-14	0.50	0.43	0.07	0.0	0.0	0.0	0.0	14.
15-29	0.35	0.47	0.18	0.0	0.0	0.0	0.0	17.
30-44	0.25	0.0	0.50	0.25	0.0	0.0	0.0	4.
45-59	0.0	0.25	0.0	0.50	0.25	0.0	0.0	4.
60-74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
75-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
90-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

CLAY (%) TRANSITION PROBABILITIES

	0-14	15-29	30-44	45-59	60-74	75-89	90-100	SAMP.SIZE
0-14	0.22	0.44	0.33	0.0	0.0	0.0	0.0	9.
15-29	0.13	0.27	0.40	0.20	0.0	0.0	0.0	15.
30-44	0.0	0.44	0.44	0.11	0.0	0.0	0.0	9.
45-59	0.0	0.67	0.0	0.0	0.33	0.0	0.0	3.
60-74	0.0	0.0	0.50	0.50	0.0	0.0	0.0	2.
75-89	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.
90-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

SLOPE (%) TRANSITION PROBABILITIES

	0-4	5-9	10-19	20-29	30-49	50-69	70-90	SAMP.SIZE
0-4	0.20	0.60	0.20	0.0	0.0	0.0	0.0	5.
5-9	0.13	0.75	0.13	0.0	0.0	0.0	0.0	8.
10-19	0.20	0.30	0.20	0.10	0.20	0.0	0.0	10.
20-29	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.
30-49	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.
50-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
70-90	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.

SOIL DEPTH (CM) TRANSITION PROBABILITIES

	0-1	2-4	5-9	10-14	15-19	20-99	100 UP	SAMP.SIZE
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
2-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
5-9	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
15-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
20-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
100 UP	0.0	0.05	0.09	0.0	0.0	0.0	0.86	22.

CLAY (%) TRANSITION PROBABILITIES

	0-14	15-29	30-44	45-59	60-74	75-89	90-100	SAMP.SIZE
0-14	0.22	0.44	0.33	0.0	0.0	0.0	0.0	9.
15-29	0.13	0.27	0.40	0.20	0.0	0.0	0.0	15.
30-44	0.0	0.44	0.44	0.11	0.0	0.0	0.0	9.
45-59	0.0	0.67	0.0	0.0	0.33	0.0	0.0	3.
60-74	0.0	0.0	0.50	0.50	0.0	0.0	0.0	2.
75-89	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.
90-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

SLOPE (%) TRANSITION PROBABILITIES

	0-4	5-9	10-19	20-29	30-49	50-69	70-90	SAMP.SIZE
0-4	0.20	0.60	0.20	0.0	0.0	0.0	0.0	5.
5-9	0.13	0.75	0.13	0.0	0.0	0.0	0.0	8.
10-19	0.20	0.30	0.20	0.10	0.20	0.0	0.0	10.
20-29	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.
30-49	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.
50-69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
70-90	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.

SOIL DEPTH (CM) TRANSITION PROBABILITIES

	0-1	2-4	5-9	10-14	15-19	20-99	100 UP	SAMP.SIZE
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
2-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
5-9	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
15-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
20-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
100 UP	0.0	0.05	0.09	0.0	0.0	0.0	0.86	22.

Sample of data on crop yields.

Amostra dos dados sobre produção das culturas.

```
*********** FILE: RITB11 **********
CASE     1 INSECTS AND VERTEBRATES
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0
  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 -.0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0
CASE     2 INSECTS AND VERTEBRATES
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0
  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 -.0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0
CASE     5 INSECTS AND VERTEBRATES
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0
  0 0 0 0 0 0 0 0 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 -.0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0
CASE     6 INSECTS AND VERTEBRATES
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0
  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 -.0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0
CASE     9 INSECTS AND VERTEBRATES
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0
  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 -.0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0
CASE    10 INSECTS AND VERTEBRATES
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0
  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 -.0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0
CASE    11 INSECTS AND VERTEBRATES
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0
  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 -.0
```

********** FILE: RIONF11 **********

1	11	1	1	1	0					0	0
2	11	1	2	1	0					0	0
3	11	3	5	1	6	2	2	2		0	0
4	11	3	6	1	0					0	0
5	11	347	9	1	19	2	0	1		0	0
6	11	7	10	1	0					0	0
7	11	8	11	1	14	4	3	1		0	0
8	11	9	12	1	0					0	0
9	11	582	14	1	0					0	0
10	11	583	16	0	6	2	0	2		0	0
11	11	583	16	0	3	4	1	2		0	0
12	11	583	16	0	3	1	3	2		0	0
13	11	583	16	0	14	4	3	2		0	0
14	11	583	16	0	7	4	3	2		0	0
15	11	583	16	0	2	1	1	2		0	0
16	11	583	16	0	4	3	0	2		0	0
17	11	583	16	0	9	2	0	2		0	0
18	11	583	16	0	10	2	0	2		0	0
19	11	583	16	0	11	2	0	2		0	0
20	11	583	16	1	20	1	2	2		0	0
21	11	12	20	1	3	1	3	2		0	0
22	11	14	23	0	3	1	3	2		0	0
23	11	14	23	1	19	2	3	2		0	0
24	11	571	24	1	19	2	3	2		0	0
25	11	16	25	0	3	1	2	2		0	0
26	11	16	25	1	7	4	1	2		0	0
27	11	145	28	0	3	1	2	2		0	0
28	11	145	28	1	7	4	1	2		0	0
29	11	145	30	0	2	1	2	2		0	0
30	11	145	30	0	7	4	2	2		0	0
31	11	145	30	1	19	2	0	1		0	0
32	11	142	33	0	2	1	1	2		0	0
33	11	142	33	0	3	1	1	2		0	0
34	11	142	33	0	7	4	2	2		0	0
35	11	142	33	1	19	2	0	1		0	0
36	11	144	34	0	3	1	1	2		0	0
37	11	144	34	0	2	1	1	2		0	0
38	11	144	34	1	7	4	2	2		0	0
39	11	19	35	1	0					0	0
40	11	19	38	1	0					0	0
41	11	593	41	0	6	2	0	2		0	0
42	11	593	41	0	17	2	0	2		0	0
43	11	593	41	0	3	2	0	2		0	0
44	11	593	41	0	2	1	0	2		0	0
45	11	593	41	0	3	1	0	2		0	0
46	11	593	41	0	3	4	3	2		0	0
47	11	593	41	0	7	4	3	2		0	0
48	11	593	41	1	4	3	0	2		0	0
49	11	20	43	1	0					0	0
50	11	22	44	1	0					0	0
51	11	22	46	1	0					0	0
52	11	591	48	0	3	1	0	2		0	0
53	11	591	48	0	2	1	0	2		0	0
54	11	591	48	0	4	3	0	2		0	0
55	11	591	48	0	3	4	3	2		0	0

*********** FILE: RI22 ******

1	22	1	1		1												1					
2	22	1	2		1			0	0.0	2												
3	22	3	5		1			2	12.0	2	2	3	1				1	0	0			
4	22	3	6		1			2			0	0	2				1					
5	22	347	9		1						5	1	1									
6	22	7	10		1				2.8	1												
7	22	8	11		1			2									0	0	0			
8	22	9	12		1						2	3	2				1					
9	22	582	14		1			1									0					
10	22	583	16		1			2	6.0	2	0	0	2				0	0	0			
11	22	12	20		1			2									1					
12	22	14	23		1												1					
13	22	571	24		1			0	0.0								0					
14	22	16	25		1			3	16.5	2	0	0	2				1	24.76	0			
15	22	145	28		1			3	16.5	2	0	0	2				1	24.76	0			
16	22	145	30		1			3	13.2	2	0	0	2		2	1	1	2				
17	22	142	33		1			2			0	0	2				2	0	0			
18	22	144	34		1			2			0	0	2				1					
19	22	19	35		1						2	3	2				1	0	0			
20	22	19	38		1												1	0	0			
21	22	593	41		1			4	5.5	2	0	0	2	100.	3	2	110					
22	22	20	43		1												1					
23	22	22	44		1												1					
24	22	22	46		1												1					
25	22	591	48		1			3	19.8	2	0	0	2	0.	0	2	110		0			
26	22	23	51		1			2	6.0	5	2	3	2				1	22.40	2		0.12	
27	22	24	54		1			2	6.0	2							1					
28	22	28	55		1												1					
29	22	30	59		1												1					
30	22	628	63		1			2	2.9	2	0	0	2				0	0				
31	22	31	64	4	1			1	2.3	2							1					
32	22	33	66	5	1			0									110					
33	22	37	67		1			2	5.2	2	2	3	2				1	0	0			
34	22	42	71		1			2			0	0	2				1	0	0			
35	22	40	75		1			1										0	0			
36	22	700	77		1	1		1	8.3	2	0	0	2		3	2	1	2	0			23.
37	22	702	79		1			1	8.0	2	0	0	2	100.	3	2	1	2	0			
38	22		82	8	1												1	2				25.
39	22	699	83	9	1			2	12.0	2	0	0	2	50.	3	2	1	2				20.
40	22	698	84		1			2	16.0	2	0	0	2	0.	0	2	1	2	0			11.
41	22		87	10	1			1	13.2	2				40.	3	2	0		3	4		17.
42	22	411	91		1	1		1			0	0	2				0	0	0			
43	22	53	92	11	1	1	5.		8.3	2							1	0	0			
44	22	55	93		1			3	19.8	2	0	0	2				1	0	2	4		
45	22	55	94	12	1												1	0				
46	22	716	95		1			2	4.4	2	0	0	2				1	2	0			14.
47	22	58	97		1			3			0	0	2				0	2				
48	22	667	98		1			1	2.0	2							1	2				
49	22	61	101		1			2	6.6	2	0	0	2				0	0	0			
50	22		104	14	1																	
51	22	63	108		1						2	4	2				1					
52	22	63	111		1			1	6.6	2							0					
53	22	68	112		1			2	6.7	2	0	0	2				0					
54	22	556	114		1			2	3.3	7	0	0	7				0	0	0			
55	22	70	116		1			1									1	0	0			
56	22	71	118		1			1	7.7	1							1	0	0			
57	22	73	119		1			1	4.4	1							1	0	0			

```
 PRINC. CROP CASE=      1 FN:      1 P.C.=    7 VARIETY=    1
 1     1   369 1    1 190775    7     4  5 1    82
 2     1   369     8 36  999 3 1          1.5 2    0      0     0      0
     369     1      10.0 YR 4.0   4                                     0
 PRINC. CROP CASE=      2 FN:      1 P.C.=    7 VARIETY=    1
 1     1   369 1    1 190775    7     4  5 1    82
 2     1   369     8 36  999 3 1          1.5 2    0      0     0      0
     369     1      10.0 YR 4.0   4                                     0
 PRINC. CROP CASE=      5 FN:      3 P.C.=    7 VARIETY=    2
 1     3   105 1    1 181074            5 1    82
 2     3   105     2 36  999 3 1          4.0 1    0      0     0      0
     105     3       5.0 YR 4.0   8                                     0
 PRINC. CROP CASE=      6 FN:      3 P.C.=    7 VARIETY=    1
 1     3   105 1    1 181074            5 1    82
 2     3   105     2 36  999 3 1          4.0 1    0      0     0      0
     105     3       5.0 YR 4.0   8                                     0
 PRINC. CROP CASE=      9 FN:    347 P.C.=    7 VARIETY=    1
 1   347   370 1    1 190775            4 1    82
 2   347   370    12 36  999 3 1          0.0 1    0      0     0      0
     370   347       7.5 YR 5.0   6                                     0
 PRINC. CROP CASE=     10 FN:      7 P.C.=    7 VARIETY=    1
 1     7    24 1    2 290674            4 1     6
 2     7    24     4 38  999 3 1          0.5 1    0      0     0      0
24
 PRINC. CROP CASE=     11 FN:      8 P.C.=    7 VARIETY=   10
 1     8        2    3 160774            4
 2     8          18 22  999 3            1.5 3
24
 PRINC. CROP CASE=     12 FN:      9 P.C.=    7 VARIETY=    2
 1     9        2    4 170774           52
 2     9           3 11  999 3 0          0.0 1    0      0     0      0
24
 PRINC. CROP CASE=     14 FN:    582 P.C.=    7 VARIETY=    1
 1   582   974 1    5 221175 153    10 28 1   584
 2   582   974    10 15                  0.0 1
     974   582       5.0 YR 4.0   3                                     0
 PRINC. CROP CASE=     16 FN:    583 P.C.=    7 VARIETY=    1
 1   583   943 1    5 221175 154    11 28 1   584
 2   583   943    10 15                  0.0 1
     943   583      10.0 YR 3.0   3                                     0
 PRINC. CROP CASE=     20 FN:     12 P.C.=    7 VARIETY=    1
 1    12    32 1    6 250774            4 1    13
 2    12    32     5                     1.0 2
      32    12       7.5 YR 4.0   4                                     0
 PRINC. CROP CASE=     23 FN:     14 P.C.=    7 VARIETY=    1
 1    14    34 1    6 250774            4 1    13
 2    14    34     5                     1.0 1
      34    14       7.5 YR 5.0   6                                     0
 PRINC. CROP CASE=     24 FN:    571 P.C.=    7 VARIETY=    3
 1   571   956 1    6 151175 143    15  5 1    13 2  729
 2   571   956     5                     7.0 1
24
 PRINC. CROP CASE=     25 FN:     16 P.C.=    7 VARIETY=    1
 1    16    36 1    7 250774           21 1    18
 2    16    36    18 11  999 3            0.0 1    0      0     0      0
      36    16       2.5 YR 3.0   4                                     0
 PRINC. CROP CASE=     28 FN:    145 P.C.=    7 VARIETY=    1
 1   145   323 1    7 140475            8 1    18
 2   145   323    22 11  999 3 1          0.0 1    0      1     0      0
     323   145       2.5 YR 3.0   6                                     0
```

******* FILE: RISOILCALCS *****

1	1	369-0.0 -0.0	0 2.00 1.15 0. 0.0 0.0 -0.
2	1	369-0.0 -0.0	0 2.00 1.15 0. 0.0 0.0 -0.
3	3	105 3.42 1.33	0-0.0 1.06 -0. 0.0 0.0 -0.
4	3	105 3.42 1.33	0-0.0 1.06 -0. 0.0 0.0 -0.
5	347	370-0.0 -0.0	0 1.00 1.29 1. 0.0 0.0 -0.
6		-0.0 -0.0	0-0.0 -0.0 -0. 0.0 0.0 -0.
7		-0.0 -0.0	0 5.00-0.0 -0. 0.0 0.0 -0.
8		-0.0 -0.0	0 6.00-0.0 -0. 0.0 0.0 -0.
9		-0.0 -0.0	0-0.0 -0.0 -0. 0.0 0.0 -0.
10		-0.0 -0.0	0 1.00-0.0 -0. 0.0 0.0 -0.
11		2.23 2.08	2 1.00-0.0 -0. 0.0 0.0 -0.
12		1.99 1.88	2-0.0 -0.0 -0. 0.0 0.0 -0.
13		-0.0 -0.0	0-0.0 -0.0 -0. 0.0 0.0 -0.
14	16	36 2.28 1.55	2 1.00 1.48 1. 0.0 0.0 -0.
15	145	323 2.11 1.39	2 3.00-0.0 -0. 0.22 0.2210 0.
16	145	323 2.11 1.39	2 3.00-0.0 -0. 0.22 0.2210 0.
17	142	222 2.39 1.59	2 5.00 2.20 0. 0.0 0.0 -0.
18	144	224-0.0 -0.0	0 0.14 1.65 7. 0.0 0.0 -0.
19	19	39 2.25 1.68	2 3.00 1.32 0. 0.0 0.0 -0.
20	19	39 2.25 1.68	2 3.00 1.32 0. 0.0 0.0 -0.
21	593	967-0.0 -0.0	0 0.12 2.06 10. 0.28 0.2810 0.
22	20	40 2.06 1.42	2 3.00 1.37 0. 0.0 0.0 -0.
23	22	42 2.04 1.68	2 1.00 1.17 1. 0.0 0.0 -0.
24	22	42 2.04 1.68	2 1.00 1.17 1. 0.0 0.0 -0.
25	591	965-0.0 -0.0	0 0.13 2.27 10. 0.40 0.4010 0.
26	23	42 2.54 2.00	0 0.19 1.27 4. 0.07 0.0710 0.
27	24	43 2.51 2.03	0-0.0 2.01 -0. 0.0 0.0 -0.
28		2.28 1.19	2 1.00-0.0 -0. 0.0 0.0 -0.
29	30	55 1.87 1.37	2 2.00 1.68 0. 0.0 0.0 -0.
30		-0.0 -0.0	0-0.0 -0.0 -0. 0.0 0.0 -0.
31		2.04 1.33	2-0.0 -0.0 -0. 0.0 0.0 -0.
32		2.56 1.24	0 6.00-0.0 -0. 0.0 0.0 -0.
33		3.30 1.60	0 6.00-0.0 -0. 0.0 0.0 -0.
34	42	61 2.31 1.83	2-0.0 1.36 -0. 0.0 0.0 -0.
35	40	58 3.00 2.32	0 1.00 1.87 1. 0.0 0.0 -0.
36	700	1015-0.0 -0.0	0 0.26 3.04 7. 0.0 0.0 -0.
37		-0.0 -0.0	0 4.00-0.0 -0. 0.0 0.0 -0.
38	0 15	456-0.0 -0.0	0 0.12 1.73 8. 0.10 0.1010 0.
39	699	1095-0.0 -0.0	0 1.13 1.72 1. 0.0 0.0 -0.
40	698	1096-0.0 -0.0	0 0.16 2.33 8. 0.0 0.0 -0.
41	0 15	456-0.0 -0.0	0 0.12 1.73 8. 0.10 0.1010 0.
42	411	538-0.0 -0.0	0 0.13 2.32 10. 0.10 0.1010 0.
43	53	74 2.17 1.82	2 1.00 1.05 1. 0.0 0.0 -0.
44	55	76 2.44 2.05	2 1.00 1.03 1. 0.22 0.2210 0.
45	55	76 2.44 2.05	2 1.00 1.03 1. 0.22 0.2210 0.
46	716	846-0.0 -0.0	0 0.07 1.29 11. 0.0 0.0 -0.
47	58	78 1.57 1.21	1 1.00 1.17 1. 0.13 0.1310 0.
48		-0.0 -0.0	0-0.0 -0.0 -0. 0.0 0.0 -0.
49	61	81 2.56 1.51	0 3.00 1.96 0. 0.0 0.0 -0.
50	0 15	456-0.0 -0.0	0 0.12 1.73 8. 0.10 0.1010 0.
51	63	83 1.83 1.17	2 1.00 2.13 1. 0.0 0.0 -0.
52	64	84 2.42 1.83	2-0.0 3.76 -0. 0.0 0.0 -0.
53	68	92 2.23 1.71	2 1.00 2.56 1. 0.35 0.3510 0.
54		-0.0 -0.0	0 1.00-0.0 -0. 0.0 0.0 -0.
55		2.19 1.61	2 1.00-0.0 -0. 0.0 0.0 -0.
56		2.44 1.57	2 1.00-0.0 -0. 0.0 0.0 -0.
57		2.39 1.86	2 2.00-0.0 -0. 0.0 0.0 -0.

```
********** FILE: RI9-13-16-28 **********
     1        9    1    1       7 150174 3 150574 3          61728 1  1 2   1200 2  10.00 2
     2       13    1       369   1 54  5 300  375   0  20  12   23  2.9 0.06  0.0  6.2
     3       16
     4       28    1       369 0.67
     5        9    1    2       7 150175 3 150575 3          98909 1  1 2    881 2   0.45 2
     6       13    1       369   1 54  5 300  375   0  20  12   23  2.9 0.06  0.0  6.2
     7       16
     8       28    1       369 0.67
     9        9    3    5       7 150173 3 150673 1   30 2            2 1    150 2   2.00 2
    10       13    3       105   1 54  5 150  125   0  20   1   16   .8 0.05   .6  4.7
    11       16    3  105          12  67  13   8  3.08  1.53  3.77
    12       28    3       105 0.62
    13        9    3    6       7 300174 2 010674 2   19 2  106666 1  1 1
    14       13    3       105   1 54  5 150  125   0  20   1   16   .8 0.05   .6  4.7
    15       16    3  105          12  67  13   8  3.08  1.53  3.77
    16       28    3       105 0.62
    17        9  347    9       7     75 3     75 3          99149 1  1 1   1633 2  15.00 2 2
    18       13  347       370   1 54  5 400  500   0  20   3   25  1.1       0.7  4.9
    19       16
    20       28  347       370 0.75
    21        9    7   10       7 150174 4 150674 4          100300 1  1 2    970 5  13.00 1
    22       13    7             2  9 23 450  150   0  20   3   17  0.5 0.05  1.2  4.7  1
    23       16
    24       28
    25        9    8   11       7 300174 3 150674 4   20 2            10 2   2512 2   4.54 2
    26       13    8             3 12 22  75  150   0  20  37   46  5.0       0.0  6.7  1
    27       16
    28       28
    29        9    9   12       7 150173 3 150573 4   15 2             2 2    450 2   4.00 2
    30       13    9             4 28  6 250  300   0  20   5  143  6.7       0.0  6.4  1
    31       16
    32       28
    33        9  582   14       7 150174 4 150574 4   40 2   70004 1  1 2    610 2   3.00 2
    34       13
    35       16
    36       28
    37        9  583   16       7 300174 2 300574 2   24 2   70004 1  1 2    600 2   5.00 2
    38       13  583      943    5 18 43 300  100   0  20  1.  20.  1.3       0.2  4.7
    39       16
    40       28
    41        9   12   20       7 300174 3 150674 3   22 2   90000 1  1 2    440 2   3.00 2 5
    42       13   12        32    6 16 64 450   50   0  20   1   25  1.3 0.05  0.2  4.8
    43       15   12   32           56  18   6  20  6.70  5.10  0.60
    44       28
    45        9   14   23       7 300174 3     74 4   22 2            1 2    520 2   0.03 1 5
    46       13   14        34    6 16 64 400   50   0  20   6   18  0.8 0.06  0.3  4.8
    47       16   14   34           50  20  15  15  7.18  6.12  0.60
    48       28
    49        9  571   24       7 301274 2 150475 3   11 2            3 2    386 2   0.45 2
    50       13
    51       16
    52       28
    53        9   16   25       7 301273 2 150474 3   30 2            1 2   1260 5   3.03 2 6
    54       13   16        36    7 18 57  50  125   0  20   1  154  1.8 0.12  0.0  5.9
    55       16   16   36           33  11  28  28 15.39 11.48  8.54
    56       28   16        36 0.86
    57        9  145   28       7 301273 2 150474 3   35 2            1 2   2182 2   0.61 2
    58       13  145      323    7 18 57 200  100   0  20   1   72  3.7 0.02  0.0  6.3
    59       16  145  323          8  37  13  20  30 12.00  9.69  7.75
```

```
********** FILE: RI10 **********
     1      10     1     1     1  0
     2      10     1     2     1  0
     3      10     3     5     1  0
     4      10     3     6     1 14 151273 3                                        10000 1
     5      10   347     9     1  0
     6      10     7    10     1 14 010174 4 010574 4 010974 4                       3300 1
     7      10     8    11     1  0
     8      10     9    12     1  0
     9      10   582    14     1 14 151273 4 150474 4            6.7 2             2917 1
    10      10   583    16     1 14 151273 4 150474 3 150874 3   6.0 2             2111 1
    11      10   583    16     1 28 150274 3
    12      10   583    16     1 57 150374 3
    13      10    12    20     1 14 151273 3                    66.0 2             4525 1  2
    14      10    14    23     1 14 151273 3                    56.0 2                     2
    15      10   571    24     1  0
    16      10    16    25     1  0
    17      10   145    28     1 14 151273 3 150574 3 150974 4   6.6 2
    18      10   145    30     1 14 151274 3 150575 3       2 13.2 2                2857 1
    19      10   142    33     1  0
    20      10   144    34     1  0
    21      10    19    35     1 14 150173 3 150574 4 150974 4   3.3 2
    22      10    19    38     1 14 151273 4 150474 4 150974 4   5.0 2             3125 1
    23      10   593    41     1 14 150275 3       2 150675 3   4.4 2             2000 2
    24      10    20    43     1  0
    25      10    22    44     1 14 010173 4          151073 4   3.0 2
    26      10    22    46     1 14 150274 3       2 150674 3   5.0 2             3331 1
    27      10   591    48     1 14 150275 3       2 150775 3  20.0 2                     2
    28      10    23    51     1 14 151272 4          150473 4   7.2 2
    29      10    24    54     1  0
    30      10    28    55     1 14 010174 4          151074 4   3.3 2              417 2
    31      10    30    59     1  0
    32      10   628    63     1  0
    33      10    31    64   4 1 14 010174 4          151074 4                     1657 5
    34      10    33    66   5 1  0
    35      10    37    67     1 34 150173 3
    36      10    42    71     1  0
    37      10    40    75     1 28 150273 3          150274 3
    38      10   700    77     1 14 251274 2 150475 3 150875 3  20.7 2
    39      10   702    79     1  0
    40      10         82   8 1  0
    41      10   699    83   9 1  0
    42      10   698    84     1 14 201274 2 150375 3 150875 4   6.0 2             2500 2
    43      10         87  10 1  0
    44      10   411    91     1  0
    45      10    53    92  11 1 14 170174 2 150574 4 150874 4                     4434 2
    46      10    55    93     1 14 170174 2 150574 4 150874 4   9.9 2
    47      10    55    94  12 1  0
    48      10   716    95     1 14 151174 2          150175 3   2.2 2
    49      10    58    97     1  0
    50      10   667    98     1  0
    51      10    61   101     1 34 150474 3                  1
    52      10        104  14 1 14 150275 3                      2.1 2
    53      10    63   108     1 14 151272 3          151173 3   5.0 2             5000 2
    54      10    63   111     1  0
    55      10    68   112     1  0
    56      10   556   114     1 28 150475 3                  1
    57      10    70   116     1 14 150174 3          150874 3  20.0 2
    58      10    71   118     1 14 150174 3          150874 3  20.0 2
    59      10    73   119     1 14 150174 3          150874 3  20.0 2
```

```
********** FILE: RIHIST  (RICE INTERPLANTING HISTORY FROM HISTPN OUTPUT) *****'
 1
 2      PRINC. CROP CASE:     1  CROP:  7
 3
 4      ICCASE=    2  IBEG= 27043  IFOLDD=      0  ICAS10=  1  IEND= 27163
 5       NO.  CASE  ITEM  EVENT  QUAL   CERT    DATE   CERT  USE
 6        1     1     7      3     0      0    27043     3     7
 7        2     1     7      5     0      0    27163     3     4
 8      INTERPLANTED CROPS IN ANY COMBINATION:
 9      ICROP  PLANT   HARV.   BEG.PRES  END PRES  SPAN  DENSITY  METHOD  CERT
10         0       0       0         0         0     0       0.       0     0
11
12      PRINC. CROP CASE:     2  CROP:  7
13
14      ICCASE=    2  IBEG= 27408  IFOLDD=      0  ICAS10=  1  IEND= 27528
15       NO.  CASE  ITEM  EVENT  QUAL   CERT    DATE   CERT  USE
16        1     2     7      3     0      0    27408     3     7
17        2     2     7      5     0      0    27528     3     4
18      INTERPLANTED CROPS IN ANY COMBINATION:
19      ICROP  PLANT   HARV.   BEG.PRES  END PRES  SPAN  DENSITY  METHOD  CERT
20         0       0       0         0         0     0       0.       0     0
21
22      PRINC. CROP CASE:     5  CROP:  7
23
24      ICCASE=    2  IBEG= 26678  IFOLDD=      0  ICAS10=  1  IEND= 26829
25       NO.  CASE  ITEM  EVENT  QUAL   CERT    DATE   CERT  USE
26        1     5     7      3     0      0    26678     3     7
27        2     5     7      5     0      0    26829     1     4
28      INTERPLANTED CROPS IN ANY COMBINATION:
29      ICROP  PLANT   HARV.   BEG.PRES  END PRES  SPAN  DENSITY  METHOD  CERT
30         0       0       0         0         0     0       0.       0     0
31
32      PRINC. CROP CASE:     6  CROP:  7
33
34      ICCASE=    5  IBEG= 27058  IFOLDD=      0  ICAS10=  1  IEND= 27180
35       NO.  CASE  ITEM  EVENT  QUAL   CERT    DATE   CERT  USE
36        1     6    14      3     0      0    27012     3    14
37        2     6     7      3     0      0    27058     2     8
38        3     6    14      6     0      4    27112     4     7
39        4     6     7      5     0      0    27180     2     4
40        5     6    14      5     0      0    28017     0     4
41      INTERPLANTED CROPS IN ANY COMBINATION:
42      ICROP  PLANT   HARV.   BEG.PRES  END PRES  SPAN  DENSITY  METHOD  CERT
43        14   27012   27112   27058     27112      54   10000.       1     1
44
45      PRINC. CROP CASE:     9  CROP:  7
46
47      ICCASE=    2  IBEG= 27408  IFOLDD=      0  ICAS10=  1  IEND= 27559
48       NO.  CASE  ITEM  EVENT  QUAL   CERT    DATE   CERT  USE
49        1     9     7      3     0      0    27408     3     7
50        2     9     7      5     0      0    27559     3     4
51      INTERPLANTED CROPS IN ANY COMBINATION:
52      ICROP  PLANT   HARV.   BEG.PRES  END PRES  SPAN  DENSITY  METHOD  CERT
53         0       0       0         0         0     0       0.       0     0
54
55      PRINC. CROP CASE:    10  CROP:  7
56
57      ICCASE=    6  IBEG= 27043  IFOLDD= 27149  ICAS10=  1  IEND= 27194
58       NO.  CASE  ITEM  EVENT  QUAL   CERT    DATE   CERT  USE
59        1    10    14      3     0      0    27029     4    14
```

```
********* FILE: RITE10 *******
      1      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
      2        1   0 0    0 0    0 0      0. 0 0 00    0 0    0 0    0 0    0 0      0. 0 0 00
      3        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
      4       120 3  120 3    0 0    0 0    0 0    0 0    0 0    0 0
      5      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
      6        2   0 0    0 0    0 0      0. 0 0 00    0 0    0 0    0 0    0 0      0. 0 0 00
      7        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
      8       120 3  120 3    0 0    0 0    0 0    0 0    0 0    0 0
      9      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     10        5   0 0    0 0    0 0      0. 0 0 00    0 0    0 0    0 0    0 0      0. 0 0 00
     11        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     12       151 3  151 3    0 0    0 0    0 0    0 0    0 0    0 0
     13      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     14        6  54 4 -46 3  68 4 10000. 1 1 00  55 2   0 0    0 0    0 0      0. 0 0 00
     15        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     16       122 2   68 2   54 4    0 0    0 0    0 0    0 0    0 0
     17      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     18        9   0 0    0 0    0 0      0. 0 0 00    0 0    0 0    0 0    0 0      0. 0 0 00
     19        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     20       151 3  151 3    0 0    0 0    0 0    0 0    0 0    0 0
     21      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     22       10  86 4 -14 4  65 4  3300. 1 1 00 106 4   0 0    0 0    0 0      0. 0 0 00
     23        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     24       151 4  65 4   86 4    0 0    0 0    0 0    0 0    0 0
     25      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     26       11   0 0    0 0    0 0      0. 0 0 00    0 0    0 0    0 0    0 0      0. 0 0 00
     27        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     28       136 4  136 4    0 0    0 0    0 0    0 0    0 0    0 0
     29      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     30       12   0 0    0 0    0 0      0. 0 0 00    0 0    0 0    0 0    0 0      0. 0 0 00
     31        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     32       120 4  120 4    0 0    0 0    0 0    0 0    0 0    0 0
     33      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     34       14  69 4 -31 4  51 4  2917. 1 1 00  90 4   0 0    0 0    0 0      0. 0 0 00
     35        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     36       120 4   51 4   69 4    0 0    0 0    0 0    0 0    0 0
     37      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     38       16  54 4 -46 4  66 4  2111. 1 1 00  75 3 104 3  16 3-566 2    -0. 0 0 00
     39        0 0    0 0       0. 0 0 00 57   0 0  76 3   44 3-566 2     0. 0 0 00 00 00
     40       120 2   0 0   16 3   28 3    0 0    0 0    0 0   76 4
     41      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     42       20  54 4 -46 3  82 4  4525. 1 1 20  55 3   0 0    0 0    0 0      0. 0 0 00
     43        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     44       136 3   82 3   54 4    0 0    0 0    0 0    0 0    0 0
     45      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     46       23  54 4 -46 3  82 4    -0. 0 0 20  55 3   0 0    0 0    0 0      0. 0 0 00
     47        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     48       136 4   82 4   54 4    0 0    0 0    0 0    0 0    0 0
     49      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     50       24   0 0    0 0    0 0      0. 0 0 00    0 0    0 0    0 0    0 0      0. 0 0 00
     51        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     52       106 3  106 3    0 0    0 0    0 0    0 0    0 0    0 0
     53      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     54       25   0 0    0 0    0 0      0. 0 0 00    0 0    0 0    0 0    0 0      0. 0 0 00
     55        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
     56       106 3  106 3    0 0    0 0    0 0    0 0    0 0    0 0
     57      INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
     58       28  85 4 -15 3  21 4  2732. 2 2 00 136 3   0 0    0 0    0 0      0. 0 0 00
     59        0 0    0 0       0. 0 0 00    0 0 0    0 0    0 0    0 0       0. 0 0 00 00 00
```

```
************FILE: RIMASTER **********
          PRINC. CROP CASE=      1 FN:      1 P.C.=    7 VARIETY=    1
          1    1  369 1    1 190775    7     4  5 1    82                        1
          2    1  369     8 36  999 3 1          1.5 2    0      0      0      0
             369    1      10.0 YR 4.0  4                                      0
           9     1     1       7 15 174 3 15 574 3  -0. 0  61728. 1  1 2   1200 2  10.00 2
          13     1        369   1 54  5 300  375   0  20  12   23  2.9 0.06  0.0  6.2
          16
          28     1        369 0.67
               1        369-0.0 -0.0  0 2.00 1.15 -0.-0.00 -0.00 -0.
         INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
            1   0 0   0 0   0 0       0. 0 0 00   0 0   0 0   0 0   0 0      0. 0 0 00
           0 0   0 0       0. 0 0 00  0  0  0   0 0   0 0   0 0      0. 0 0 00 00 00
          120 3 120 3   0 0   0 0   0 0   0 0   0 0   0 0
         CASE      1 INSECTS AND VERTEBRATES
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0
           0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 -.0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0
          22     1     1     1                                             1
          22 B
           163.9  23.2  41.3 0 0 0  138.8  24.2  59.2 0 0 0       0       0 0 0 0 0 0 0
          PRINC. CROP CASE=      2 FN:      1 P.C.=    7 VARIETY=    1
          1    1  369 1    1 190775    7     4  5 1    82                        1
          2    1  369     8 36  999 3 1          1.5 2    0      0      0      0
             369    1      10.0 YR 4.0  4                                      0
           9     1     2       7 15 175 3 15 575 3  -0. 0  98909. 1  1 2    881 2   0.45 2
          13     1        369   1 54  5 300  375   0  20  12   23  2.9 0.06  0.0  6.2
          16
          28     1        369 0.67
               1        369-0.0 -0.0  0 2.00 1.15 -0.-0.00 -0.00 -0.
         INTERPLANTING TABULATIONS ON FOLLOWING 3 LINES
            2   0 0   0 0   0 0       0. 0 0 00   0 0   0 0   0 0   0 0      0. 0 0 00
           0 0   0 0       0. 0 0 00  0  0  0   0 0   0 0   0 0      0. 0 0 00 00 00
          120 3 120 3   0 0   0 0   0 0   0 0   0 0   0 0
         CASE      2 INSECTS AND VERTEBRATES
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0
           0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 -.0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
          0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  0 0 0 0  0 0 0 0 0 0 0 0 0 0
          22     1     2     1          0  0.0 2
          22B
           161.4  26.0  40.7 0 0 0  192.2  19.5  -9.0 0 0-9       0       0 0 0 0 0 0 1
          PRINC. CROP CASE=      5 FN:      3 P.C.=    7 VARIETY=    2
          1    3  105 1    1 181074                   5 1    82
          2    3  105     2 36  999 3 1          4.0 1    0      0      0      0
             105     3         5.0 YR 4.0  8                                   0
           9     3     5       7 15 173 3 15 673 1  30. 2      -0. 0   2 1    150 2    2.00 2
          13     3        105   1 54  5 150  125   0  20   1   16   .8 0.05   .6  4.7
          16     3  105             12  67  13   8  3.08  1.53  3.77
          28     3        105 0.62
               3        105 3.42 1.33 0-0.0  1.06 -0.-0.00 -0.00 -0.
```

Sample of data on crop yields in format with items identified by headings.

Amostra dos dados sobre produção das culturas em formato com os itens identificados por cabeçalhos.

PRINC. CROP CASE= 1 FN: 1 P.C.= 7 VARIETY= 1

FIELD NO.	SAMPLE NO.	PRED TYPE	COLON-IST NO.	DATE SAMP. DAY	MO	YR	SEQUEN-TIAL PR	PREVIOUS FIELD NO	PRESENT USE	PAIRED COMPARISONS TYPE	FIELD	TYPE	FIELD	EQUIVALENT FIELDS (1)	(2)	(3)	(4)	NOTE CT 2
1	369	1	1	19	07	75	7	4	5	1 -	82							1

AVE.CAPO-EIKA DBH	SLOPE (%)	SUP.TEX	AP. COL	SOIL DEPTH	DRAIN-AGE	EROS-ION	HT. IF CAPOEIKA	CAPO. TYPE	MOS.SINCE LAST CULT	CERT-AINTY	ROCKS % OCCUR.	DEPTH OUTCP
	8	3	6	999	3	1			1.5	2	0	0

LATERITIC CONCRETIONS % OCCUR.	DEPTH SOLID	NOTE CT 2	CHARCOAL PRES.DEPTH	CERTAINTY CT2 INFO.	SOIL HUE	MUNSELL COLOR CHROMA	VALUE	NOTE CT24	CASE NO.	UNSAMP LOCATION	PRINC. CROP	PLANT.DT. DAY	MO	YR	CERT
0	0				10.0 YR	4.0 /	4		1		7	15	1	74	3

HARV.DATE DAY	MO	YR	CERT	KGS.SEEDS PER HECT.	CERT	PLANTING DENSITY	CERT	VAR-IETY	CERT	YIELD KG/HA	CERT	AREA (HA)	CERT	NOTE CT 9	GLEBA NO.	LOT NO.	LOCATION CD. FRONT	DEPTH
15	5	74	3	-0.	0	61728.	1	1	2	1200	2	10.00	2		54	5	300	375

SAMP.DEPTH BEGIN	END	PHOS. (PPM)	POTAS. (PPM)	CA++&MG++ (ME/100G)	NITROGEN (%)	AL+++ (ME/100G)	PH	NOTES CT13 (1)	(2)	COARSE SAND	FINE SAND	SILT	TOTAL CLAY	SIO2	AL2O3
0	20	12	23	2.9		0.0	6.2								

FE2O3	NOTE CT16	CARBON (%)	EXCHANGEABLE BASES(ME/100G) NA+	K+	CA++	MG++	H+ (ME/100G)	AL+++ (ME/100G)	P2O5 (ME/100G)	NOTES CT28 (1)	(2)	KI	KR	LATO SOL	ORGANIC MATTER
		0.67										-0.0	-0.0	0	1.15

C/N	SUM EX. BASES	TOT.CAT. EXC.CAP.	POT. BASE SATURATION
-0.	-0.00	-0.00	-0.

INTERPLANTING INFORMATION

GREEN MAIZE AS INTERPLANTED CROP (ANY COMBINATION) . . . . . / MANIOC AS INTER. CROP

TOT. DAYS GRMZ	CERT	DAYS AFT PC PLANT IC BEGUN	CERT	DAYS BEF PC HARV IC ENDED	CERT	INT.CR. (MAIZE) DENSITY	DENSITY CALC. METHOD	DENS. CERT.	NOTES CT10 (1)(2)	FOLDED DAYS AFTER PC PLANTED	CERT	TOT DAYS MN	CERT	DAYS AFT P.C.PLTD I.C.BEG.	CERT
0	0	0	0	0	0	0.	0	0	0 0	0	0	0	0	0	0

MANIOC CONTINUED (EITHER BITTER OR SWEET) . . . . / PASTURE AS INTERPLANTED CROP (ANY COMBINATION) . . . . . /

DAYS BEFORE P.C. HARV. IC ENDED	CERT	INT.CROP (MANIOC) DENSITY	DENSITY CALC. METHOD	DENS. CERT.	NOTES CT10 (1)(2)	TOT. DAYS PAST.	CERT	DAYS AFT. PC PLANT. IC BEGUN	CERT	INT.CR. (PAST.) DENSITY	DENS. CALC. METH.	DENS. CERT.	NOTES CT10 (1)(2)
0	0	0.	0	0	0 0	0	0	0	0	0.	0	0	0 0

OTHER INTERPLANTED CROPS . . . . . /

OTHER I.C. (1)	OTHER I.C. (2)	OTHER I.C. (3)	TOT. DAYS OTHER	CERT	DAYS AFT. PC PLANT. IC BEGUN	CERT	DAYS BEF. PC HARV. IC ENDED	CERT	OTHER ICS TOTAL DENSITY	DENS. CALC. METH	DENS. MAX. CERT.	NOTES IC 1 (1)(2)	NOTES IC 2 (1)(2)	NOTES IC 3 (1)(2)
0	0	0	0	0	0	0	0	0	0.	0	0	0 0	0 0	0 0

COMBINATIONS OF INTERPLANTED CROPS . . . . . /

TOT.DAYS PC (RICE) CYCLE	CERT	DAYS RICE (7)	CERT	DAYS RI-GR MZ(8)	CERT	DAYS RI-GMZ -MN(9)	CERT	DAYS RI-MN (10)	CERT	DAYS RI-PA (11)	CERT	DAYS RI-GMZ-PA(12)	CERT	DAYS RI-OT (13)	CERT
120	3	20	3	0	0	0	0	0 0		0	0				

INSECT AND VERTEBRATE PEST OCCURRANCE

STAGE 1: SEED . . . . . /

POOR GERM.(1)			LIZARD (2)			RATS (3)			BIRDS (4)			ANTS (5)			INSECT.GEN(17)			VERT.GEN (18)			TERMITES (20)		
INT-ENS	CE-RT	ALL STG	INT-END	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 1 (CONTINUED): SEED . . . . . / STAGE 2: PLANT VEGETATIVE PARTS

DOM.PIGS (21)			CHICKENS (23)			PIONUS(BIRD)(37)			OTHER 1				OTHER 2				RATS (3)			ANTS (5)		
INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	ITEM	INT-ENS	CE-RT	ALL STG	ITEM	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 2 (CONTINUED): PLANT VEGETATIVE PARTS . . . . . .

CATERPILLAR(6)			BEETLES(7)			STEM CUT(8)			RABBIT(9)			AGOUTI (10)			PACA (11)			DEER (12)			MOTH (14)		
INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 2 (CONTINUED): PLANT VEGETATIVE PARTS . . . . . .

OT.INSECT(15)			OT.VERT.(16)			INSECT GEN(17)			VERTS.GEN(18)			WEEDS (19)			TERMITE(20)			DOM.PIGS(21)			CHICKENS(23)		
INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 2 (CONTINUED): PLANT VEGETATIVE PARTS . . . . . .

HORSE/MULE(25)			RAIN ROT(29)			GRASSHOP.(30)			SEEDLING D.(31)			"PULGAO"(32)			"PULG."CUT(33)			NC RAIN (34)			PECCARY (35)		
INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 2 (CONTINUED): PLANT VEGETATIVE PARTS . . . . . .

ATTA (36)			PIONUS (37)			SLUG (38)			LEAF EX.RAIN(39)			VINE EX.RAIN(40)			"CRICKET"(41)			STEM BORE(45)		
INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 2(CONT.):PLANT VEGETATIVE PARTS/ MONTHS / STAGE 3 : PLANT REPRODUCTIVE PARTS . . . . . .

OTHER 1 ITEM	INT-ENS	CE-RT	ALL STG	OTHER 2 ITEM	INT-ENS	CE-RT	ALL STG	IN PILHAS	RATS (3) INT-ENS	CE-RT	ALL STG	BIRD (4) INT-ENS	CE-RT	ALL STG	CATERPILLAR(6) INT-ENS	CE-RT	ALL STG	BEETLES (7) INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	-.0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 3 (CONTINUED): PLANT REPRODUCTIVE PARTS . . . . . .

AGOUTI (10)			PACA (11)			DEER (12)			MOTH (14)			INSECT GEN(17)			VERTS.GEN(18)			DOM.PIGS(21)			CHICKENS(23)		
INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 3 (CONTINUED): PLANT REPRODUCTIVE PARTS . . . . . /

HORSE/MULE(25)			HOLLOW BEAN(26)			RAIN ROT(29)			"PULGAO"(32)			PIONUS (37)			OTHER 1 ITEM	INT-ENS	CE-RT	ALL STG	OTHER 2 ITEM	INT-ENS	CE-RT	ALL STG
INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG								
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 4 : PILHAS . . . . . .

RATS (3)			BIRDS (4)			BEETLES (7)			AGOUTI (10)			PACA (11)			MOTH (14)			INSECT GEN(17)			VERTS.GEN(18)		
INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG	INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 4 (CONTINUED) : PILHAS . . . / STAGE 6: ROOTS AND TUBERS . . . . . .

OTHER 1 ITEM	INT-ENS	CE-RT	ALL STG	OTHER 2 ITEM	INT-ENS	CE-RT	ALL STG	RATS (3) INT-ENS	CE-RT	ALL STG	ANTS (5) INT-ENS	CE-RT	ALL STG	CATERPILLAR(6) INT-ENS	CE-RT	ALL STG	BEETLES (7) INT-ENS	CE-RT	ALL STG	AGOUTI (10) INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 6 (CONTINUED): ROOTS AND TUBERS . . . . . .

PACA (11) INT-ENS	CE-RT	ALL STG	ROOT ROT (13) INT-ENS	CE-RT	ALL STG	MOTH (14) INT-ENS	CE-RT	ALL STG	INSECT GEN(17) INT-ENS	CE-RT	ALL STG	VERTS.GEN(18) INT-ENS	CE-RT	ALL STG	DOM. PIGS(21) INT-ENS	CE-RT	ALL STG	INSECTS ROOTS(24) INT-ENS	CE-RT	ALL STG
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STAGE 6 (CONTINUED): ROOTS OR TUBERS . . . . . ./

VERTS.ROOTS(28) INT-ENS	CE-RT	ALL STG	RAIN ROT (29) INT-ENS	CE-RT	ALL STG	"PULGAO"(32) INT-ENS	CE-RT	ALL STG	PECCARY(35) INT-ENS	CE-RT	ALL STG	OTHER 1 ITEM	INT-ENS	CE-RT	ALL STG	OTHER 2 ITEM	INT-ENS	CE-RT	ALL STG	NOTE 1 IT-EM	ST-AG	NO-TE	NOTE 2 IT-EM	ST-AG	NO-TE
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WEEDINGS . . . . . ./ DISEASE . . . . . ./ TOPPLING . . ./ SEEDS / NOTE /

BEFORE PLANTING NO.OF TIMES	MAN-DAYS PER HA.	AFTER PLANTING NO.OF TIMES	MAN-DAYS PER HA.	WEED AREA CERT	FIRST DISEASE DIS-EASE	INT-ENS.	CE-RT	SECOND DISEASE DIS-EASE	INT-ENS.	CE-RT	PER-CENT AREA	INT-ENS	CE-RT	PER HILL	CT22

TREATMENTS . . . . . ./

INCRA SEED TREAT.	COLONIST SEED TREATMENTS CHEM NO.1	KG SEED	CHEM NO.2	KG/100 KG SEED	PLANT AND PILHA TREATMENTS CHEM NO.1	ST-AGE	KG/HA / YR	CHEM NO.2	ST-AGE	KG/HA / YR	OTHER TREATMENTS NOT SHOWN
1											0

WEATHER IN 15 DAYS AFTER PLANTING/ WEATHER IN 15 DAYS BEFORE HARVEST / MISSING DATA CODES / ABSOLUTE COORDINATES/

RAIN	EVAP.	INSOL.	NO.MISSING RA	EV	IN	RAIN	EVAP.	INSOL.	NO.MISSING RA	EV	IN	PLANTING RA	EV	IN	HARVEST RA	EV	IN	X	Y
163.9	23.2	41.3	0	0	0	138.8	24.2	59.2	0	0	0	0	0	0	0	0	0	0	0

Sample of data on insect and vertebrate pests.

Amostra dos dados sobre pragas de insetos e vertebrados.

********** FILE: ONE11 **********

1	11	1	1	1	0					0	0
2	11	1	2	1	0					0	0
3	11	2	3	1	0					0	0
4	11	2	4	1	17	5	0	2		0	0
5	11	3	5	1	6	2	2	2		0	0
6	11	3	6	1	0					0	0
7	11	343	7	1	0					0	0
8	11	346	8	1	19	2	3	1		0	0
9	11	347	9	1	19	2	0	1		0	0
10	11	7	10	1	0					0	0
11	11	8	11	1	14	4	3	1		0	0
12	11	9	12	1	0					0	0
13	11	9	13	1	17	2	1	2		0	0
14	11	582	14	1	0					0	0
15	11	582	15	1	0					0	0
16	11	583	16	0	6	2	0	2		0	0
17	11	583	16	0	3	4	1	2		0	0
18	11	583	16	0	3	1	3	2		0	0
19	11	583	16	0	14	4	3	2		0	0
20	11	583	16	0	7	4	3	2		0	0
21	11	583	16	0	2	1	1	2		0	0
22	11	583	16	0	4	3	0	2		0	0
23	11	583	16	0	9	2	0	2		0	0
24	11	583	16	0	10	2	0	2		0	0
25	11	583	16	0	11	2	0	2		0	0
26	11	583	16	1	20	1	2	2		0	0
27	11	583	17	0	7	3	3	2		0	0
28	11	583	17	0	8	2	0	2		0	0
29	11	583	17	0	3	3	3	2		0	0
30	11	583	17	1	20	3	2	2		0	0
31	11	583	18	1	0	9	2	3	2	0	0
32	11	583	18	1	0	3	5	0	2	0	0
33	11	583	18	1	0	10	5	0	2	0	0
34	11	583	18	1	0	11	5	0	2	0	0
35	11	583	18	1	1	12	5	0	2	0	0
36	11	583	19	2	0	9	2	3	2	0	0
37	11	583	19	2	0	3	5	0	2	0	0
38	11	583	19	2	0	10	5	0	2	0	0
39	11	583	19	2	0	11	5	0	2	0	0
40	11	583	19	2	1	12	5	0	2	0	0
41	11	12	20		1	3	1	3	2	0	0
42	11	12	21		1	3	1	3	2	0	0
43	11	12	22		1	1	1	3	2	0	0
44	11	14	23		0	3	1	3	2	0	0
45	11	14	23		1	19	2	3	2	0	0
46	11	571	24		1	19	2	3	2	0	0
47	11	16	25		0	3	1	2	2	0	0
48	11	16	25		1	7	4	1	2	0	0
49	11	16	26		0	17	5	0	2	0	0
50	11	16	26		1	18	5	0	2	0	0
51	11	144	27		0	7	3	1	2	0	0
52	11	144	27		0	3	1	2	2	0	0
53	11	144	27		1	3	3	3	2	0	0
54	11	145	28		0	3	1	2	2	0	0
55	11	145	28		1	7	4	1	2	0	0