

Commodity: Table and wine grapes

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyzed | Pests controlled/ Method of analysis, residues analyzed |
|---------------------------------|---|-----------------------|------------------|-----------------|-------------|---|---------------|--------------------------------------|--|---|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| Grapes GAP | Austria, France, Greece, Italy, Germany, Portugal, Spain | foliar spray | 0.12 | | | pre- and post-flowering | 4 | 16 | | | Plasmopara viticola, Downy mildew, Peronospora viticola |
| Metalaxyl-M residue data | | | | | | | | | | | |
| 2123/94 | Italy | Foliar treatment (WP) | 0.1 | 1058 | | 17-19/23-25/ 25-27 EL code | 3 | 0 7 14 21 28 45 78 | 0.10 0.07 0.04 0.03 0.02 0.02 <0.02 | Berries Berries Berries Berries Berries Berries Berries | Method REM 181.01 M-Metalaxyl |
| 2124/94 | Italy | Foliar treatment (WP) | 0.1 | 500 | | 15/17/21/27 EL code | 4 | 0 7 14 21 28 44 85 | 0.29 0.17 0.15 0.19 0.13 0.08 0.04 | Berries Berries Berries Berries Berries Berries Berries | Method REM 181.01 (berries) M-Metalaxyl |
| 2125/94 | Italy | Foliar treatment (WP) | 0.1 | 1000-1100 | | 12-15/15/15-27/29-31 EL code | 4 | 0 7 14 21 28 46 74 | 0.71 0.26 0.21 0.19 0.17 0.07 0.04 | Berries Berries Berries Berries Berries Berries Berries | Method REM 181.01 (berries) M-Metalaxyl |
| 2122/94 | Italy | Foliar treatment (WP) | 0.1 | 1000 | | 21/25/291 EL code | 3 | 0 7 14 21 28 45 88 | 1.2 0.60 0.55 0.40 0.44 0.26 0.17 | Berries Berries Berries Berries Berries Berries Berries | Method REM 181.01 (berries) M-Metalaxyl |
| 2113/95 | Italy | Foliar treatment (WP) | 0.12 | 600-800 | | 33-53/53-55/57-61/67-69 | 4 | 39 | 0.03 | Berries | Method REM 181.01/02 |

Residue trials - Table and wine grapes - page 2

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyzed | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|---------|-----------------------|------------------|-----------------|-------------|---|---------------|------------------------------------|---|---|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | | | | | | BBCH | | 53 81 81 81 81 | 0.02 <0.02 <0.02 <0.02 <0.02 | Berries Berries Must New wine wine | |
| 2114/95 | Italy | Foliar treatment (WP) | 0.12 | 500 | | 31/55/65/71 BBCH | 4 | 38 52 80 80 80 80 | 0.13 0.10 0.05 <0.02 0.02 <0.02 | Berries Berries Berries Must New wine Wine | Method REM 181.01/02 |
| 2073/94 | Greece | Foliar treatment (WP) | 0.1 | 340-450 | | 13-31 - 71 BBCH | 4 | 108 107 ? 140 | 0.05/0.03 <0.02/<0.02 <0.02/<0.02 | Berries must wine | Method REM 181.01/02 M-Metalaxyl |
| 2091/94 | Spain | Foliar treatment (WP) | 0.1 | 750-1438 | | 15/51/69/71 BBCH | 4 | 80 80 80 80 111 111 | 0.04 0.04 0.02 0.02 0.02 0.03 | Berries* Berries Must** Must Wine** wine | Method REM 181.01*/02** M-Metalaxyl |
| 2092/94 | Spain | Foliar treatment (WP) | 0.1 | 212-441 | | 40-50 -72-75 BBCH | 4 | 90 90 90 90 104 104 | 0.11 0.13 0.08 0.05 0.12 0.09 | Berries Berries Must Must Wine wine | Method REM 181.01/02 M-Metalaxyl |
| 2093/94 | Spain | Foliar treatment (WP) | 0.1 | 594-990 | | 42-43/69-71/71-73 BBCH | 3 | 99 103 217 | 0.02/0.03 <0.02/<0.02 <0.02/<0.02 | Berries Must wine | Method REM 181.01/02 M-Metalaxyl |
| 2094/94 | Spain | Foliar treatment (WP) | 0.1 | 526-789 | | 63-69/71-75/72-77 BBCH | 3 | 71 71 148 | 0.29 0.07 <0.02 | Berries Must wine | Method REM 181.01/02 M-Metalaxyl |
| 2017/95 | Spain | Foliar treatment (WP) | 0.031- 0.045 | 311-446 | | 53-60/69-72/75-76/77-78 BBCH | 4 | 86 86 86 | 0.19/0.27 0.08/0.08 0.08/0.07 | Berries Must Wine | Method REM 181.01/02 |
| 2018/95 | Spain | Foliar treatment (WP) | 0.021- | 209-538 | | 53-55/68-69/69-71/75 | 4 | 71 | 0.38/0.29 | Berries | Method REM 181.01/02 |

Residue trials - Table and wine grapes - page 3

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyzed | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|----------------------|-----------------------|----------------------------------|-----------------|-------------|---|---------------|--|--|--|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | | | 0.054 | | | BBCH | | 71 71 | 0.18/0.15 0.15/0.15 | Must Wine | |
| 2379/97 | France 82 (South) | Foliar treatment (WG) | 0.101 | 193 | | 77/79/79/83 BBCH | 4 | 29 29 | <u>0.06</u> 0.05 | Berries wine | Method REM 181.01/02 |
| 2380/97 | France 30 (South) | Foliar treatment (WG) | 0.101 | 152 | | 77/79/81/83 BBCH | 4 | 30 30 | <u>0.09</u> 0.07 | Berries wine | Method REM 181.01/02 |
| 2381/97 | France 30 (South) | Foliar treatment (WG) | 0.101 | 200 | | 79/81/83/84 BBCH | 4 | 29 29 | <u>0.05</u> 0.05 | Berries wine | Method REM 181.01/02 |
| 2382/97 | France 30 (South) | Foliar treatment (WG) | 0.101 | 200 | | 79/81/83/84 BBCH | 4 | 27 27 | <u>0.05</u> 0.05 | Berries wine | Method REM 181.01/02 |
| 2375/97 | France 49 (North) | Foliar treatment (WG) | 0.101 | 120 | | 75-77/ 77-79/79-81/83 BBCH | 4 | 31 31 | <u>0.30</u> 0.23 | Berries wine | Method REM 181.01/02 |
| 2376/97 | France 45 (North) | Foliar treatment (WG) | 0.101 | 200 | | 79/79/81/83 BBCH | 4 | 28 28 | <u><0.02</u> 0.03 | Berries wine | Method REM 181.01/02 |
| 2377/97 | France 45 (North) | Foliar treatment (WG) | 0.100 | 200 | | 77-79/79/81/83 BBCH | 4 | 30 30 | <u>0.04</u> 0.03 | Berries wine | Method REM 181.01/02 |
| 2378/97 | France 51 (North) | Foliar treatment (WG) | 0.101 | 203 | | 75/75-77/77/81 BBCH | 4 | 30 30 | <u>0.07</u> 0.04 | Berries wine | Method REM 181.01/02 |
| 2219/94 | France 49 (North) | Foliar treatment (WP) | 0.100 | 160-240 | | | 4 | 91 91 91 | 0.02 <0.02 <0.02 | Berries Must Wine | Method REM 181.01/02 M-Metalaxyl |
| 2220/94 | France 21 (North) | | 0.100 | 110-647 | | | | 80 80 80 | 0.03 <0.02 <0.02 | Berries Must wine | |
| 2221/94 | France 49 (North) | | 0.100 | 160-240 | | | 4 | 91 | <0.02 <0.02 <0.02 | Berries Must Wine | |
| 2222/94 | France 21 (North) | | 0.100 | 110-647 | | | 4 | 89 | <0.02 <0.02 <0.02 | Berries Must Wine | |
| 2180/94 | Germany | Foliar treatment (WP) | 0.100 0.100 0.100 0.120 | 400-800 | | 57/71/79/81 BBCH | 4 | 0 14 29 34 43 36 148 | 0.45 <u>0.33</u> 0.24 0.18 0.23 0.10 0.11 | Berries Berries Berries Berries Must New wine | Method REM 181.01/02 M-Metalaxyl |

Residue trials - Table and wine grapes - page 4

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Residue trials - Table and wine grapes - page 5

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|------------------------|----------------------|-------------------|------------------|-----------------|-------------|---|------------------|------------|--------------------|-------------------------|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| Metalaxyl residue data | | | | | | | | | | | |
| 17/82 | France 21 (North) | Foliar spray | 0.056- 0.197 | 250- 875 | | | 9 | 25 | 0.11 0.06 | grapes wine | Method REM 1/80, metalaxyl |
| 19/82 | France 49 (North) | Foliar spray | 0.113- 0.18 | 500- 800 | | | 5 | 39 | 0.1 0.06 | grapes wine | Method REM 1/80, metalaxyl |
| 60/78 | France 44 (North) | Foliar spray (WP) | 0.034- 0.210 | 150- 700 | | | 7 | 26 | 0.14 0.03 | grapes wine | Method REM 16/76, metalaxyl |
| 60/78 | France 44 (North) | Foliar spray (WP) | 0.225- 0.300 | 71- 200 | | | 7 | 26 | 0.27 0.12 | grapes wine | Method REM 16/76, metalaxyl |
| 62/78 | France 44 (North) | Foliar spray (WP) | 0.034- 0.210 | 150- 700 | | | 7 | 26 | 0.08 0.06 | grapes wine | Method REM 16/76, metalaxyl |
| 63/78 | France 21 (North) | Foliar spray (WP) | 0.063- 0.180 | 280- 800 | | | 6 | 61 | <0.04 0.06 | grapes wine | Method REM 16/76, metalaxyl |
| 63/78 | France 21 (North) | Foliar spray (WP) | 0.225- 0.300 | 180 | | | 5 | 61 | 0.33 0.15 | grapes wine | Method REM 16/76, metalaxyl |
| 08/81 | France 44 (North) | Foliar spray (WP) | 0.179- 0.202 | 810- 910 | | | 4 | 37 | 0.06 0.03 | grapes wine | Method REM 16/80, metalaxyl |
| 11/81 | France 21 (North) | Foliar spray (WP) | 0.021- 0.073 | 200- 700 | | | 7 | 47 | 0.09 0.04 | grapes wine | Method REM 16/80, metalaxyl |
| 12/81 | France 51 (North) | Foliar spray (WP) | 0.073- 0.206 | 330- 930 | | | 7 | 35 | 0.07 0.05 | grapes wine | Method REM 16/80, metalaxyl |
| 32/81 | France 51 | Foliar spray (WP) | 0.075- | 330- | | | 7 | 24 | 0.06 | grapes | Method REM 1/80, metalaxyl |

Residue trials - Table and wine grapes - page 6

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|----------------------|-------------------|------------------|-----------------|-------------|---|------------------|---------------------------------|---|--|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | (North) | | 0.204 | 905 | | | | | 0.07 | wine | |
| 31/82 | France 21 (North) | Foliar spray (FW) | 0.056- 0.197 | 250- 875 | | | 9 | 25 | 0.16 0.10 | grapes wine | Method REM 16/80, metalaxyl |
| 33/82 | France 49 (North) | Foliar spray (FW) | 0.113- 0.180 | 500- 800 | | | 5 | 39 | 0.12 0.05 | grapes wine | Method REM 1/80, metalaxyl |
| 55/84 | France 21 (North) | Foliar spray (SC) | 0.10- 0.18 | 460- 780 | | Grapening | 7 | 35 | 0.19 0.07 | grapes wine | Method REM 16/80, metalaxyl |
| 56/84 | France 49 (North) | Foliar spray (SC) | 0.11- 0.18 | 480- 800 | | Grapening | 6 | 36 | 0.15 0.06 | grapes wine | Method REM 16/80, metalaxyl |
| 58/89 | France 44 (North) | Foliar spray (WP) | 0.035- 0.100 | 155- 400 | | Veraison 50% at last spraying | 14 | 24 | 0.19 | grapes | Method REM 16/80, metalaxyl |
| 2354/81 | Germany | foliar spray (WP) | 0.24- 0.28 | 600- 700 | | | 7 | 65 | 0.13 | wine | Method REM 16/76, metalaxyl |
| 105/81 | Germany | foliar spray (WP) | | 1000- 2000 | 0.1 | | 4 | 87 | <0.02 | wine | Method REM 16/76, metalaxyl |
| 2032/82 | Germany | foliar spray (WP) | 0.36 | 600 | | | 8 | 0 14 28 35 42 | 3.8 1.8 0.89 0.58 1.1 | grapes grapes grapes grapes | Method REM 16/76, metalaxyl |
| 2034/82 | Germany | foliar spray (WP) | 0.13- 0.39 | 650- 700 | | | 8 | 0 14 28 36 42 42 | 1.3 0.88 0.95 0.55 0.52 0.18 | grapes grapes grapes wine wine | Method REM 16/76, metalaxyl |

Residue trials - Table and wine grapes - page 7

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|---------|-------------------|------------------|-----------------|-------------|---|------------------|----------------------------------|--|--|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| 2200/82 | Germany | foliar spray (WP) | 0.13- 0.40 | 650- 2000 | | | 8 | 0 14 28 36 42 42 | 1.59 0.89 0.56 0.54 0.41 0.10 | grapes grapes grapes wine | Method REM 16/76, metalaxyl |
| 2222/84 | Germany | foliar spray (WP) | 0.20- 0.40 | 860 | | | 8 | 0/14 28 35 42 | 5.1/3.7 1.5 1.4 1.8 | grapes grapes grapes wine | Method REM 16/76, metalaxyl |
| 2262/81 | Germany | foliar spray (WP) | 0.14- 0.30 | 350- 800 | | | 3 | 36 49 56 70 88 88 | 0.2 0.2 0.18 0.13 0.1 0.03 | Grapes Grapes grapes wine wine wine | Method REM 16/76, metalaxyl |
| 2263/81 | Germany | foliar spray (WP) | 0.2 | 500 | | | 3 | 35 49 56 70 89 | 0.2 <0.02 <0.02 <0.02 0.02 | grapes grapes grapes wine wine | Method REM 16/76, metalaxyl |
| 2264/81 | Germany | foliar spray (WP) | 0.2 | 500 | | | 3 | 35 49 56 70 89 89 | 0.15 0.07 0.08 0.04 0.03 0.02 | grapes grapes grapes wine wine wine | Method REM 16/76, metalaxyl |
| 2265/81 | Germany | foliar spray (WP) | 0.12- 0.36 | 600 | | | 3 | 35 49 | 0.39/ 0.33 | grapes grapes | Method REM 16/76, metalaxyl |

Residue trials - Table and wine grapes - page 8

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|---------|-------------------|------------------|-----------------|-------------|---|------------------|---------------------------------------|--|--|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | | | | | | | | 56 70 98 98 | 0.23 0.12 <0.02 0.05 | grapes wine | |
| 2266/81 | Germany | foliar spray (WP) | 0.36 | 600 | | | 3 | 72 79 93 100 100 | 0.02 0.03 0.03 0.03 <0.02 | grapes grapes grapes wine | Method REM 16/76, metalaxyl |
| 2267/81 | Germany | foliar spray (WP) | 0.212- 0.294 | 531- 735 | | | 3 | 30 44 51 92 92 | 0.13 0.06 0.04 0.04 <0.02 | grapes grapes grapes wine | Method REM 16/76, metalaxyl |
| 2403/80 | Germany | foliar spray (WP) | 0.24- 0.40 | 1200- 2000 | | | 6 | 0 14 28 35 42 55 42 | 1.34 0.79 0.84 0.53 0.51 0.12 0.18 | grapes grapes grapes wine wine wine wine | Method REM 16/76, metalaxyl |
| 2441/79 | Germany | foliar spray (WP) | 0.08- 0.16 | 400- 800 | | | 6 | 14 21 28 35 54 | 0.55 0.40 0.36 0.45 0.14 | grapes grapes grapes | GC-NFID |
| 2442/79 | Germany | foliar spray (WP) | 0.12- 0.32 | 300- 800 | | | 7 | 14 28 35 42 | 0.47 0.47 0.49 0.50 | grapes grapes grapes | GC-NFID |

Residue trials - Table and wine grapes - page 9

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|---------|-------------------|------------------|-----------------|-------------|---|------------------|---|--|--|--|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | | | | | | | | 49 | 0.49 | | |
| 2443/79 | Germany | foliar spray (WP) | 0.12- 0.32 | 300- 800 | | | 7 | 14 28 35 42 49 61 61 | 0.67/0.6 2 0.51/0.4 8 0.41/0.3 6 0.36 | grapes grapes grapes wine | GC-NFID |
| 2181/87 | Germany | foliar spray (WP) | 0.12- 0.40 | 300- 800 | | | 6 | 0 22 36 43 50 57 | 2.1 1.1 1.2 1.0 0.84 0.87 | grapes grapes grapes | Method 18.1.89 (determination as 2.6 dimethylaniline) (?) Residues expressed as total metalaxyl |
| 2182/87 | Germany | foliar spray (WP) | 0.12- 0.36 | 600- 1800 | | | 6 | 0 21 35 42 49 56 56 56 | 2.3 1.7 1.0 1.1 0.77 0.41 0.24 0.24 | grapes grapes grapes must wine | Method 18.1.89 (?) |
| 2184/87 | Germany | foliar spray (WP) | 0.16- 0.36 | 267- 600 | | | 6 | 0/21 35/49 56 49 49 | 2.7/1.1 0.88/1.1 0.68 0.29 0.29 | grapes grapes grapes must wine | Method 18.1.89 (?) |
| 2185/87 | Germany | foliar spray (WP) | 0.08- 0.37 | 200- 410 | | | 6 | 0 7 14 | 1.3 2.0 1.6 | grapes grapes grapes | Method 18.1.89 |

Residue trials - Table and wine grapes - page 10

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|-------------|--------------------|------------------|-----------------|-------------|---|------------------|--|--|--|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | | | | | | | | 21 28 35 42 49 56 49 49 | 1.2 1.0 0.75 0.85 0.60 0.63 0.33 0.35 | grapes grapes must wine wine | |
| 2194/86 | Germany | foliar spray (WP) | 0.14- 0.36 | 690 | | | 6 | 0/14 28/35 41 | 2.4/1.7 1.3/1.3 1.1 | grapes grapes grapes | Method 18.1.89 |
| 2195/86 | Germany | foliar spray (WP) | 0.12- 0.36 | 600- 1800 | | | 6 | 0/14 28/35 42 | 2.8/1.6 1.0/1.1 1.3 | grapes grapes grapes | Method 18.1.89 |
| 2196/86 | Germany | foliar spray (WP) | 0.20- 0.40 | 1000 | | | 6 | 0/14 28/35 42 | 5.6/2.3 2.0/1.7 1.7 | grapes grapes grapes | Method 18.1.89 |
| 2197/86 | Germany | foliar spray (WP) | 0.20- 0.36 | 333- 600 | | | 6 | 0 14 28 35 42 42 | 1.7 0.84 0.83 0.68 0.96 0.25 | grapes grapes grapes must must | Method 18.1.89 |
| 2126/79 | Switzerland | foliar spray (FW)? | 0.125 | 1500 | | after flowering to changing of color grapes | 6 | 0 3 7 14 21 28 35 | 0.55 0.34 0.33 0.19 0.25 0.20 0.18 | grapes | Method REM 16/76 modified, metalaxyl |

Residue trials - Table and wine grapes - page 11

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|-------------|-------------------|------------------|-----------------|-------------|---|------------------|--|--|--|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | | | | | | | | 42 | 0.23 | | |
| 2086/79 | Switzerland | foliar spray (WP) | 0.45 | 2000 | | | 7 | 0/7 14/21 35/41 41 | 1.5/0.77 0.77/0.7 0.6/0.61 0.26 | grapes grapes grapes wine | Method REM 16/76, metalaxyl |
| 2087/79 | Switzerland | foliar spray (WP) | 0.3 | 1000- 1250 | | | 5 | 2 7 14 22 28 35 42 49 55 55 | 2.2 1.4 1.6 1.1 0.79 0.69 0.86 0.78 0.74 0.19 | grapes grapes grapes grapes grapes wine | Method REM 16/76, metalaxyl |
| 2088/79 | Switzerland | foliar spray (WP) | 0.3 | 1500 | | | 8 | 0/7 14/21 28/35 42 77 | 1.2/1.0 0.7/0.53 0.45/0.5 0.46 0.2 | grapes grapes grapes grapes wine | Method REM 16/76, metalaxyl |
| 2089/79 | Switzerland | foliar spray (WP) | 0.4- 0.63 | 2800 | | | 6 | 0/7 21/28 35/42 35 | 3.3/1.9 1.8/0.91 1.1/0.63 0.49 | grapes grapes grapes wine | Method REM 16/76, metalaxyl |
| 2090/79 | Switzerland | foliar spray (WP) | 0.3 | 1000 | | | 6 | 21 28 42 42 | 0.23 0.21 0.24 0.11 | grapes grapes wine | Method REM 16/76, metalaxyl |
| 2385/79 | Switzerland | foliar spray (WP) | 0.3 | 1000- 1250 | | | 5 | 7 14 | 1.0 1.1 | grapes grapes | Method REM 16/76, metalaxyl |

Residue trials - Table and wine grapes - page 12

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|-------------|-------------------|------------------|-----------------|-----------------|---|------------------|--|--|-----------------------------------|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | | | | | | | | 22 28 35 42 49 55 55 | 0.59 0.95 0.71 0.69 0.35 0.4 0.19 | grapes grapes wine | |
| 250/79 | Switzerland | foliar spray (WP) | 0.41- 0.54 | | | | 6 | 62 | 0.16 | grapes | Method REM 16/76, metalaxyl |
| 210/79 | Switzerland | foliar spray (WP) | 0.336- 0.75 | 1500- 2500 | | | 6 | 49 | 0.87 | grapes | Method REM 16/76, metalaxyl |
| 281/77 | Switzerland | foliar spray (WP) | | | 0.0225 -0.03 | Almost mature at last spraying | 5 | 20 35 42 42 | 0.84 1.0 1.6 0.58 | grapes grapes wine | Method REM 16/76, metalaxyl |
| 281/77 | Switzerland | foliar spray (WP) | | | 0.0225 -0.03 | Almost mature at last spraying | 5 | 28 42 66 66 | 0.16 0.11 0.10 <0.05 | grapes | Method REM 16/76, metalaxyl |
| 91/11/134 3 | Australia | Foliar spray (WP) | | | 0.0225 | | 9 | 0 14 14 14 | 0.17 0.23 0.05 0.06 0.10 0.09 0.07 0.08 | grapes grapes juice wine | Method 156A, metalaxyl 2 varieties of grapes |
| 91/11/134 3 | Australia | Foliar spray (WP) | 0.225 | 500- 700 | | | 7 | 0 9 9 | 0.23 0.12 0.07 | grapes grapes juice | Method 156A, metalaxyl |

Residue trials - Table and wine grapes - page 13

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|----------------------|-------------------|------------------|-----------------|-------------|---|------------------|------------|--------------------|-------------------------|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | | | | | | | | 9 | 0.05 | wine | |
| 16/82 | France 30 (South) | Foliar spray | 0.113- 0.225 | 500- 1000 | | | 6 | 47 | 0.10 0.05 | grapes wine | Method REM 1/80, metalaxyl |
| 15/82 | France 11 (South) | Foliar spray | 0.075- 0.149 | 330- 660 | | | 5 | 57 | 0.16 0.10 | grapes wine | Method REM 1/80, metalaxyl |
| 18/82 | France 47 (South) | Foliar spray | 0.048 | 800 | | | 6 | 27 | 0.08 0.04 | grapes wine | Method REM 1/80, metalaxyl |
| 59/78 | France 30 (South) | Foliar spray (WP) | 0.220- 0.300 | 60 | | | 6 | 14 | 0.06 | grapes | Method REM 16/76, metalaxyl |
| 04/77 | France 30 (South) | Foliar spray (WP) | 0.068- 0.450 | 300- 1500 | | | 9 | 21 | <0.04 <0.02 | grapes wine | Method REM 16/76, metalaxyl |
| 55/78 | France 34 (South) | Foliar spray (WP) | 0.065- 0.322 | 290- 1075 | | | 7 | 22 | 0.26 0.10 | grapes wine | Method REM 16/76, metalaxyl |
| 56/78 | France 30 (South) | Foliar spray (WP) | 0.150- 0.300 | 800 | | | 7 | 14 | 0.08 <0.02 | grapes wine | Method REM 16/76, metalaxyl |
| 57/78 | France 47 (South) | Foliar spray (WP) | 0.225- 0.300 | 960 | | | 6 | 37 | <0.04 <0.02 | grapes wine | Method REM 16/76, metalaxyl |
| 57/78 | France 47 (South) | Foliar spray (WP) | 0.225- 0.300 | 100 | | | 6 | 37 | 0.23 0.09 | grapes wine | Method REM 16/76, metalaxyl |
| 64/78 | France 85 (South) | Foliar spray (WP) | 0.040- 0.108 | 180- 360 | | | 7 | 30 | 0.04 <0.02 | grapes wine | Method REM 16/76, metalaxyl |
| 64/78 | France 85 (South) | Foliar spray (WP) | 0.150- 0.300 | ----- - | | | 7 | 30 | 0.25 0.11 | grapes wine | Method REM 16/76, metalaxyl |

Residue trials - Table and wine grapes - page 14

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|----------------------|-------------------|------------------|-----------------|-------------|---|------------------|------------|--------------------|-------------------------|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| 65/78 | France 47 (South) | Foliar spray (WP) | 0.029- 0.180 | 130- 600 | | | 7 | 54 | 0.07 0.07 | grapes wine | Method REM 16/76, metalaxyl |
| 65/78 | France 47 (South) | Foliar spray (WP) | 0.225- 0.300 | 60- 100 | | | 7 | 54 62 | 0.22 0.13 | grapes wine | Method REM 16/76, metalaxyl |
| 06/81 | France 30 (South) | Foliar spray (WP) | 0.055- 0.222 | 250- 1000 | | | 3 | 35 | 0.04 0.02 | Grapes wine | Method REM 16/80, metalaxyl |
| 07/81 | France 34 (South) | Foliar spray (WP) | 0.055- 0.222 | 250- 1000 | | | 6 | 32 | 0.07 0.05 | grapes wine | Method REM 16/80, metalaxyl |
| 13/81 | France 17 (South) | Foliar spray (WP) | 0.031- 0.126 | 210- 850 | | | 7 | 32 | 0.06 0.04 | grapes wine | Method REM 16/80, metalaxyl |
| 29/82 | France 47 (South) | Foliar spray (FW) | 0.075 | 800 | | | 6 | 27 | 0.05 0.03 | grapes wine | Method REM 1/80, metalaxyl |
| 30/82 | France 11 (South) | Foliar spray (FW) | 0.075- 0.149 | 330- 660 | | | 5 | 57 | 0.14 0.08 | grapes wine | Method REM 1/80, metalaxyl |
| 32/82 | France 30 (South) | Foliar spray (FW) | 0.113- 0.225 | 500- 1000 | | | 6 | 47 | 0.11 0.05 | grapes wine | Method REM 1/80, metalaxyl |
| 48/82 | France 30 (South) | Foliar spray (FW) | 0.225 | 60 | | | 2 | 138 | 0.03 | wine | Method REM 1/80, metalaxyl |
| 49/82 | France 47 (South) | Foliar spray (FW) | 0.045- 0.120 | 300- 800 | | | 10 | 180 | 0.06 | wine | Method REM 1/80, metalaxyl |
| 46/84 | France 11 (South) | Foliar spray (SC) | 0.1- 0.16 | 440- 700 | | Grapening at last spraying | 5 | 35 | 0.12 0.11 | grapes wine | Method REM 16/80, metalaxyl |
| 47/84 | France 34 | Foliar spray (SC) | 0.07- | 330- | | Grapening | 7 | 28 | 0.13 | grapes | Method REM 16/80, metalaxyl |

Residue trials - Table and wine grapes - page 15

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|----------------------|-------------------|------------------|-----------------|--------------------------------|---|------------------|---------------------------|--------------------------------------|--------------------------------------|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | (South) | Broadcast | 0.25 | 1100 | | | | | 0.05 | wine | |
| 48/84 | France 30 (South) | Foliar spray (SC) | 0.13- 0.405 | 583- 1800 | | Grapening at last spraying | 9 | 36 | 0.17 0.09 | grapes wine | Method REM 16/80, metalaxyl |
| 49/84 | France 85 (South) | Foliar spray (SC) | 0.10- 0.11 | 450- 500 | | Grapening | 5 | 38 | 0.10 0.05 | grapes wine | Method REM 16/80, metalaxyl |
| 57/84 | France 47 (South) | Foliar spray (SC) | 0.20 | 900 | | Grapening | 7 | 20 | 0.10 0.04 | grapes wine | Method REM 16/80, metalaxyl |
| 58/84 | France 16 (South) | Foliar spray (SC) | 0.12- 0.19 | 530- 850 | | grapening | 8 | 25 | 0.18 0.13 | grapes wine | Method REM 16/80, metalaxyl |
| 2005/91 | Marocco | Foliar spray (WP) | 0.160- 0.240 | 800- 1200 | | early bloom - begin of ripening | 4 | 7 15 28 | 0.40 0.51 0.20 | grapes | Method REM 16/76 modified, metalaxyl |
| 2036/87 | Marocco | Foliar spray (WP) | 0.3 | 1000 | | Flowering - begin of ripening | 4 | 7 14 28 42 56 | 0.63 0.26 0.27 0.14 0.05 | grapes grapes grapes | Method REM 16/76 modified, metalaxyl |
| 2037/87 | Morocco | Foliar spray (WP) | 0.3 | 1000 | | begin of ripening at last spraying | 4 | 7 14 28 42 56 | 0.37 0.17 0.14 0.13 0.15 | grapes grapes grapes | Method REM 16/76 modified, metalaxyl |
| 249/78 | South Africa | Foliar spray (WP) | | | 0.075- 0.1 (total ai) | Ripening at last spraying | 8 | 0 2 4 8 16 | 1.8 0.64 0.60 0.42 0.31 | grapes grapes grapes grapes | Method REM 16/76, metalaxyl |

Residue trials - Table and wine grapes - page 16

| GAP/ trial ref. | Country | Mode of treatment | Application rate | | | Stage of treatment/ date(s) of treatment | NE of appl | PHI (d) | Residue (mg/kg) | Portion analyze d | Pests controlled/ Method of analysis, residues analyzed |
|--------------------|---------|-------------------|------------------|-----------------|-------------|---|------------------|----------------|----------------------|-------------------------|---|
| | | | kg ai/ha | water (l/ha) | kg ai/hl | | | | | | |
| | | | | | | | | 23 32 46 | 0.37 0.26 0.10 | | |
| 261/79 | Spain | foliar spray (WP) | 0.3 | 1000 | | | 5 | 35 | 0.22 | grapes | Method REM 16/76, metalaxyl |
| 2161/79 | Spain | foliar spray (WP) | 0.225 | 1000 | | | 5 | 35 | 0.20 | grapes | Method REM 16/76, metalaxyl |
| 211/79 | Spain | foliar spray (WP) | 0.15- 0.6 | | | Stade.F at first spraying | 5 | 48 | 0.06 | grapes | Method REM 16/76, metalaxyl |
| 212/79 | Spain | foliar spray (WP) | 0.3 | 1000 | | | 5 | 31 ? | 0.09 | Wine | Method REM 16/76, metalaxyl |
| 212/79 | Spain | foliar spray (WP) | 0.225 | 1000 | | | 5 | 35 | 0.07 | Wine | Method REM 16/76, metalaxyl |
| 2365/79 | Spain | foliar spray (WP) | 0.24 | 800 | | Various | 4 | 28 | 0.13 | grapes | Method REM 16/76, metalaxyl |
| 2366/79 | Spain | foliar spray (WP) | 0.24 | 800 | | Various | 4 | 27 | 0.06 | grapes | Method REM 16/76, metalaxyl |

Note: residues are expressed as metalaxyl