**Table S2.** Number of treatments (N) performed in each vineyard/sampling point, chemical impact - score calculated according to Thomson and Hoffmann (2006), and active ingredients applied with medium or high toxicity reported in Oliveira et al. (2014)\* (risk 2-medium; risk 3- high) in each wine farm/sampling point and year of study.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Wine-farm/Study sites (vineyard) | Sampling date | Treatments performed (N) | Chemical impact\* | Active ingredient |
| A-1 | 23/05/2011 | 3 | 7 | Sulphur (2),  |
| A-2 | 25/06/2013 | 5 | 10 | Sulphur (2) |
| B-6 | 13/05/2002 | 3 | 8 | Sulphur (2); phosalone (3) |
| B-6 | 30/07/2002 | 4 | 10 | Sulphur (2); phosalone (3 |
| C-7 | 20/05/2011 | 4 | 9 | Sulphur (2) |
| C-8 | 20/05/2011 | 4 | 9 | Sulphur (2) |
| C-8 | 06/06/2012 | 4 | 7 | Sulphur (2) |
| C-9 | 20/05/2011 | 4 | 9 | Sulphur (2) |
| C-9 | 21/07/2011 | 6 | 15 | Sulphur (2); indoxacarb (2) |
| C-9 | 06/06/2012 | 4 | 7 | Sulphur (2) |
| C-10 | 12/09/2012 | 6 | 9 | Sulphur (2) |
| C-11 | 24/07/2013 | 4 | 8 | Sulphur (2) |
| C-12 | 24/07/2013 | 4 | 8 | Sulphur (2) |
| C-12 | 19/09/2013 | 5 | 11 | Sulphur (2) |
| C-13 | 19/09/2013 | 5 | 11 | Sulphur (2) |
| D-14 | 31/05/2011 | 3 | 7 | Sulphur (2) |
| D-14 | 01/08/2011 | 5 | 11 | Sulphur (2) |
| E-15 | 12/05/2005 | 3 | 6 | Sulphur (2) |
| F-16 | 30/05/2011 | 2 | 5 | Sulphur (2) |
| F-16 | 02/08/2011 | 5 | 11 | Sulphur (2) |
| F-16 | 02/10/2012 | 6 | 11 | Sulphur (2) |
| F-16 | 17/06/2013 | 2 | 4 | Sulphur (2) |
| F-16 | 31/07/2013 | 4 | 8 | Sulphur (2) |
| F-17 | 30/05/2011 | 2 | 5 | Sulphur (2) |
| F-17 | 02/08/2011 | 5 | 12 | Sulphur (2) |
| F-17 | 22/06/2012 | 3 | 7 | Sulphur (2) |
| F-18 | 30/05/2011 | 2 | 5 | Sulphur (2) |
| F-18 | 02/08/2011 | 5 | 12 | Sulphur (2) |
| F-18 | 22/06/2012 | 3 | 7 | Sulphur (2) |
| F-19 | 03/10/2013 | 5 | 9 | Sulphur (2) |
| G-21 | 13/05/2002 | 2 | 4 | Sulphur (2) |
| G-21 | 30/07/2002 | 5 | 15 | Sulphur (2); mancozeb (2) |
| G-21 | 04/06/2004 | 3 | 7 | Sulphur (2) |
| G-21 | 14/05/2007 | 2 | 5 | Sulphur (2) |
| G-21 | 19/05/2011 | 3 | 7 | Sulphur (2) |
| G-22 | 26/05/2009 | 3 | 9 | Sulphur (2); deltametrin (3) |
| G-22 | 19/05/2011 | 2 | 6 | Sulphur (2) |
| G-22 | 19/07/2011 | 6 | 20 | Sulphur (2); deltametrin (3); indoxacarb (2) |
| G-22 | 13/09/2011 | 6 | 20 | Sulphur (2); deltametrin (3); indoxacarb (2) |
| G-22 | 31/05/2013 | 3 | 7 | Sulphur (2); indoxacarb (2) |
| G-22 | 24/07/2013 | 5 | 11 | Sulphur (2); indoxacarb (2) |
| G-22 | 25/09/2013 | 5 | 11 | Sulphur (2); indoxacarb (2) |
| G-23 | 19/05/2011 | 3 | 7 | Sulphur (2) |
| G-23 | 13/09/2011 | 3 | 7 | Sulphur (2) |
| G-24 | 19/05/2011 | 3 | 7 | Sulphur (2) |
| H-31 | 20/07/2005 | 5 | 15 | Sulphur (2); mancozeb (2) |
| H-34 | 25/07/2011 | 5 | 12 | Sulphur (2); mancozeb (2) |
| H-35 | 25/07/2011 | 5 | 12 | Sulphur (2); mancozeb (2) |
| H-35 | 20/09/2011 | 6 | 13 | Sulphur (2); mancozeb (2) |
| H-36 | 20/09/2011 | 6 | 13 | Sulphur (2); mancozeb (2) |
| I-37 | 11/05/2005 | 2 | 4 | Sulphur (2) |
| I-37 | 18/05/2011 | 2 | 4 | - |
| I-38 | 18/05/2011 | 2 | 6 | Sulphur (2) |
| I-38 | 20/07/2011 | 6 | 21 | Sulphur (2); mancozeb (2); imidacloprid (3) |
| I-39 | 18/05/2011 | 2 | 4 | - |
| J-40 | 22/05/2009 | 3 | 6 | Sulphur (2) |
| J-40 | 24/05/2011 | 3 | 6 | Sulphur (2) |
| J-40 | 21/07/2011 | 7 | 15 | Sulphur (2); indoxacarb (2) |
| J-40 | 08/09/2011 | 7 | 15 | Sulphur (2); indoxacarb (2) |
| J-41 | 24/05/2011 | 3 | 6 | Sulphur (2) |
| J-42 | 25/05/2015 | 2 | 5 | Sulphur (2) |

\*Oliveira, B., Barata, A., Prates A, Mendes F, Bento F, Gaspar, L. and Cavaco, M. (2014) *Protecção integrada das culturas. Vol. III- Efeitos secundários dos produtos*. DGAV, Lisbon.