

2010 Blue Mold Information for the Euro - Mediterranean Zone

Final update: 04. 10. 2010







2010 Blue Mold Situation in the Euro - Mediterranean Zone



In 2010 there were 22 reports from 9 different countries. The most problems with blue mold seemed to be in South - West France and on Oriental Tobacco in Bulgaria and Macedonia. The studies on Metalaxyl sensitivity / resistance confirmed the results of the previous years: about the half of the analyzed strains were resistant to Metalaxyl (six out of twelve). But the distribution of Metalaxyl resistant strains were not equal: the first resistant strain was detected in South Italy and then only in South - West France this strain occurred (all tested samples from this region were resistant)! In all other parts of Europe and the Middle East only the Metalaxyl sensitive strain was present!



N°	Country	Date of observation, updates	Information received from
1.	Italy	May, 10 th May, 17 th June, 7 th July 2 nd	Elena Biscarini (Deltafina) Prof. Spring (University of Hohenheim) Elena Biscarini Elena Bicarini
2.	Iran	May, 16 th May, 31 st June 30 th	Mohammad Reza Najafi (Tirash Tobacco Research & Education Institute) Mohammad Reza Najafi Prof. Spring (University of Hohenheim)
3.	Spain	May, 28 th June 25 th	Esther Verdejo Alonso (Servicio de Sanidad Vegetal Consejería de Agricultura y Desarrollo Rural) Esther Verdejo Alonso
4.	Spain	June, 8 th - 23 rd July, 23 rd July, 26 th	Esther Verdejo Alonso (Servicio de Sanidad Vegetal Consejería de Agricultura y Desarrollo Rural) Prof. Spring (University of Hohenheim) Esther Verdejo Alonso




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5.	Bulgaria	June, 21 st June 30 th July, 16 th	Hristo Bozukov (Tob and Tobacco Products Institute) Prof. Spring (University of Hohenheim) Hristo Bozukov
6.	France	June 18 th - June 25 th July 5 th July, 23 rd August, 6 th August, 13 th	Fabienne Mornet (ANITTA) Fabienne Mornet Prof. Spring (University of Hohenheim) Fabienne Mornet Prof. Spring
7.	France	June 29 th July 22 nd July, 28 th August 13 th September, 1 st	Fabienne Mornet (ANITTA) Maud Delavaud (ANITTA) Prof. Spring (University of Hohenheim) Fabienne Mornet Maud Delavaud
8.	Bulgaria	July, 9 th	Hristo Bozukov (Tob and Tobacco Products Institute)
9.	Romania	July, 14 th August, 16 th	Tibor Fekete (ULT Hungary) Tibor Fekete (ULT Hungary)
10.	France	July, 15 th August, 19 th	Fabienne Mornet (ANITTA) Maud Delavaud (ANITTA)
11.	FYROM	July, 15 th August, 13 th	Biljana Gveroska (Tobacco Institute Prilep) Biljana Gveroska
12.	Germany	July, 29 th August, 11 th	Walburga Schwaer (Extension Service) Jens Vogel (Grower)
13.	Germany	July, 29 th August, 11 th	Walburga Schwaer (Extension Service) Prof. Spring (University of Hohenheim)
14.	France	August, 3 rd August, 13 th August, 19 th	Fabienne Mornet (ANITTA) Prof. Spring (University of Hohenheim) Maud Delavaud (ANITTA)




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15.	Bulgaria	August, 4 th	Hristo Bozukov (Tob and Tobacco Products Institute)
16.	Germany	August, 6 th August 10 th August 11 th	Walburga Schwaer (Extension Service) Jochen Adam (Grower) Prof. Spring (University of Hohenheim)
17.	France	August, 9 th	Fabienne Mornet (ANITTA)
18.	Poland	August, 11 th	Apoloniusz Berbec (IUNG Pulawy)
19.	FYROM	August, 9 th	Vesna Krsteska (Tobacco Institute Prilep)
20.	FYROM	August, 11 th	Vesna Krsteska (Tobacco Institute Prilep)
21.	Germany	August, 13 th August, 24 th	Walburga Schwaer (Extension Service) Prof. Spring (University of Hohenheim)
22.	Poland	August, 27 th	Tomasz Birut (ULT Poland)





N° / Country	Location / Region	Date of observation, updates	Seed bed / Field	Development (3 weeks later)	Metalaxyl sensitivity	Comment
<p>1. Italy</p> 	<p>Santa Maria Capua Vetere Caserta area; South of Italy</p>	<p>May, 10th May, 17th June, 7th July 2nd</p>	<p>Field</p>	<p>Due to fungicide treatments and better weather conditions, the development of blue mold was stopped in the fields and area New outbreaks were observed in the aerea</p>	<p>According to the molecular test, the blue mold is resistant to Metalaxyl</p>	<p>Burley</p>
<p>2. Iran</p> 	<p>Tirtash area</p>	<p>May 16th May, 31st June 30th</p>	<p>Seed-bed and Field Field</p>	<p>At one location all varieties of the CORESTA Collaborative Experiment infected, at another one two varieties.</p>	<p>Up to now, the molecular test indicates, that the blue mold is sensitive to Metalaxyl</p>	<p>In the seedbed: CORESTA trial (Jupiter); In the field: Flue Cured Tobacco</p>
<p>3. Spain</p> 	<p>Riobos, Cáceres area West of Spain</p>	<p>May 28th</p>	<p>Seed-bed</p>	<p>Plants were destroyed and therefore no problem!</p>		<p>On remainder Burley plants; they were destroyed and thrown away</p>
<p>4. Spain</p> 	<p>Riobos, Alagon Valley & Losar de la Vera, Tietar Valley Cáceres area West of Spain</p>	<p>June 8th to June 23rd July, 23rd July, 26th</p>	<p>Field</p>	<p>In most fields in both valleys the blue mold was stopped. But from July, 12th to July, 23rd also new outbreaks were observed in a single cases with 56% plants affected.</p>	<p>The molecular test indicates, that the blue mold is sensitive to Metalaxyl</p>	<p>On Flue Cured and Burley Tobacco</p>





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<p>5. Bulgaria</p> 	<p>Gotse Delchev, Nevrokop region Southwest of Bulgaria</p>	<p>June, 21st June 30th July 16th</p>	<p>Field</p>	<p>Due to favorable weather conditions the disease has evolved to upper leaves and caused serious damages. After the weather conditions changed the infection stopped</p>	<p>The molecular test indicates, that the strain is sensitive to Metalaxyl</p>	<p>Oriental tobacco Local spots with low sporulation.</p>
<p>6. France</p> 	<p>Moumour, Salles Mon-giscard, Oloron, Verdets, Meritein Department Pyrénées - Atlantique Southwest of France</p>	<p>June, 18th - June, 25th July, 5th July, 23rd August, 6th August, 13th</p>	<p>Field</p>	<p>Another outbreak in this region was reported from the village Guinarthe on flue cured tobacco There are another reports from the neighbored Departments Pyrénées Orientales and Gers. Villages: Puydarrieux (DAC), Orioux (FC) and Cuélas (FC)</p>	<p>The molecular test indicates, that the strain is resistant to Metalaxyl The Metalaxyl resistance of the blue mold is confirmed (Village Puydarrieux)</p>	<p>3 x Burley, 2x flue cured. 1 x DAC; low to high sporulation, depending on the location</p>

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<p>7. France</p> 	<p>St Laurent la Vallée Department Dordogne Southwest of France</p>	<p>June, 29th July 22nd July, 28th August, 13th September, 1st</p>	<p>Field</p>	<p>There is another outbreak in the same department on Burley tobacco. Village Bourniquel There is another outbreak on Burley tobacco in the eastern neighbored department Lot; village Carjac In the southern neighbored department Lot-et-Garonne there are two more or less serious outbreaks on organic tobacco (Saint Barthélemy d'Agenais, Tombeboeuf)</p>	<p>The molecular test indicates, that the strain is resistant to Metalaxyl</p>	<p>Burley tobacco, no sporulation</p>
<p>8. Bulgaria</p> 	<p>Rila Kyustendil region West of Bulgaria</p>	<p>July, 9th</p>	<p>Field</p>			<p>Oriental tobacco</p>

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<p>9. Romania</p> 	<p>Region Transylvania Central of Romania</p>	<p>July, 14th August, 16th</p>	<p>Field</p>	<p>The outbreak is stopped</p>		<p>Burley tobacco.</p>
<p>10. France</p> 	<p>Le Vignau Department Landes Southwest of France</p>	<p>July 15th August, 19th</p>	<p>Field</p>	<p>In the same village as well as in three other villages in the same department (Souprosse, Hinx, Mugron) new outbreaks are reported (2x Burley, 2x flue cured)</p>		<p>Flu cured tobacco, low sporulation</p>
<p>11. FYROM</p> 	<p>Region Prielip Central of Macedonia</p>	<p>July 15th August, 13th</p>	<p>Field</p>	<p>The blue mold is still present in the region</p>		<p>Oriental Tobacco Sporadic outbreak and seems to be under control</p>

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<p>12. Germany</p> 	<p>Langenlamba Niederrhein Thuringia East of Germany</p>	<p>July 29th August 11th</p>	<p>Field</p>	<p>The blue mold is stopped in the field and no further outbreaks in the region</p>		<p>Flue Cured Tobacco, few spots with sporulation, few plants in one field</p>
<p>13. Germany</p> 	<p>Oftersheim Baden Württemberg Southwest of Germany</p>	<p>July 29th August 11th</p>	<p>Field</p>		<p>The molecular test indicates, that the strain is sensitive to Metalaxyl</p>	<p>Flue Cured Tobacco, few spots with low sporulation</p>
<p>14. France</p> 	<p>Gémozac Department Charente Maritime West of France</p>	<p>August, 3rd August, 13th August, 19th</p>	<p>Field</p>	<p>Another outbreak on flue cured tobacco is reported from the village Bois</p>	<p>The molecular test indicates, that the strain is resistant to Metalaxyl</p>	<p>Flue Cured Tobacco, sporulation on the bottom and the middle of the plants</p>

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<p>15. Bulgaria</p> 	<p>Region Plovdiv Central of Bulgaria</p>	<p>August, 4th</p>	<p>Field</p>			<p>Burley tobacco. Many local spots with low sporulation</p>
<p>16. Germany</p> 	<p>Lahr Kippenheimweiher Baden Württemberg South West of Germany</p>	<p>August, 6th August 10th August 11th</p>	<p>Field</p>	<p>In the same region also other fields are affected</p>	<p>The molecular test indicates, that the strain is sensitive to Metalaxyl</p>	<p>Flue Cured Tobacco</p>
<p>17. France</p> 	<p>Rom Department Deux Sèvres West of France</p>	<p>August, 9th</p>	<p>Field</p>			<p>Flue Cured Tobacco, sporulation on the bottom and the middle of the plants</p>
<p>18. Poland</p> 	<p>Uscimov East of Poland</p>	<p>August, 11th</p>	<p>Field</p>			<p>Several localized outbreaks in a field</p>

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<p>19. FYROM</p> 	<p>Bitola South of Macedonia</p>	<p>August, 9th</p>	<p>Field</p>			<p>Oriental tobacco Low damages in the middle part of the plant</p>
<p>20. FYROM</p> 	<p>Radovis; Strumica East of Macedonia</p>	<p>August, 11th</p>	<p>Field</p>			<p>Oriental tobacco Low damages in the middle part of the plant</p>
<p>21. Germany</p> 	<p>Hartheim Baden Wu- erttemberg Southwest of Germany</p>	<p>August, 13th August 24th</p>	<p>Field</p>		<p>The molecular test indicates, that the strain is sensitive to Metalaxyl</p>	<p>Flue Cured tobacco</p>
<p>22. Poland</p> 	<p>Southeast of Poland</p>	<p>August, 27th</p>	<p>Field</p>			<p>Flue cured tobacco (?)</p>