

## **SPISE Working Group (SWG)**

# **4<sup>th</sup> European Workshop on Standardized Procedure for the Inspection of Sprayers in Europe – SPISE 4**



A three-day workshop at the

**Raiffeisenhaus  
Andreas-Hofer-Straße 9  
39011 Lana  
Italy**

**27<sup>th</sup> - 29<sup>th</sup> March 2012**

*Draft November 2011*

## **1. Welcome**

The SPISE 4-Workshop offers the possibility of getting to know the provisions on inspection of plant protection equipment stated by Article 8 of EU Directive 2009/128/EC, which are binding for all Member States, to interpret these correctly and to discuss each one of them. In addition, the Workshop gives the participants the chance to initiate further specifications which the Member States must develop and harmonise by themselves (subsidiarity) and to put them into operation.

Representatives from the European Commission have also promised their support, thus assuring a high degree of administrative and technical competence.

It will be particularly interesting to see how far the implementation of this Directive has advanced in the Member States, which problems have arisen and where there is likely to be a need for further coordination between the Member States.

Air-assisted sprayers for bush and tree cultures are the focus of the Workshop, not least because these sprayers are highly significant for viticulture and fruit growing here in South Tyrol and the advisory ring (Beratungsring) has developed an exemplary procedure over the past few decades for inspecting the sprayers. This will be made especially clear by the special excursion which takes place on the second day of the Workshop.

The participants are called upon to contribute their experience and ideas through lectures and posters so that we can all learn from one another, thus contributing to a harmonised high-quality technical inspection for air-assisted sprayers in Europe.

Up to now the following workshops took place: The 1<sup>st</sup> European Workshop, -SPISE 1-, took place in April 2004 prompted by the publication of European Standard 13790. The 2<sup>nd</sup> European Workshop, -SPISE 2-, April 2007, provided the MS with information packages, where most of the needed documents can be find. The 3<sup>rd</sup> European Workshop, -SPISE 3-, took place from 22 to 24 September 2009 in Brno (CZ). Here the European Commission's representatives from DG-Environment and DG-Enterprise and the European organisations ECPA, CEMA and COPA attended and made clear their points of view at the beginning. The SPISE 3-Workshop met with a very positive response, demonstrated by the 100 participants from 27 European countries. The draft prepared and presented by the SPISE Working Group, 'Proposal for uniform enforcement of inspection in the Member States', can be seen as a contribution on how equipment inspections according to Article 8 of the Directive can be implemented in national legislation.

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### **Lana and the Meraner Land**

South Tyrol is the biggest contiguous apple growing area in Europe with almost 18,500 ha. The orchardists produce about 1,000,000 tons of apples every year. This corresponds to half of the whole Italian and a tenth of the annual EC apple production. Lana is the largest and one of the oldest apple-growing communities of South Tyrol. The municipality covers about 3,600 ha and it has approximately 11,200 inhabitants.



Nearly half of the territory of Lana is woodland. About 1,600 ha are used as farmland. The major part is planted with apple trees. Fruit-growing has a very long tradition.

The growers of Lana were the first to establish a modern sprayer checkpoint in South Tyrol. At present there are three of them throughout South Tyrol. Under our Integrated Fruit Production Programme it is mandatory to calibrate the sprayers at least every five years. In the South Tyrol, the northernmost Italian province, approx. 6,000 sprayers are currently in use, throughout Italy approx. 2,000,000.

There are also a lot of sights worth visiting in and around Lana. The most interesting sights in Lana are the Gothic church Maria Himmelfahrt with one of the largest winged altars in Europe; the Hl. Kreuz Church with the second biggest bell in South Tyrol (6,250 kg); the castles Brandis, Leonburg, Mayenburg and Braunsberg; the chapels of St. Agatha, St. Margarethen and St. Nepomuk. A cable car goes from Lana (348 m) to the Vigil Joch (1,486 m), a well-known hiking area in the mountains.

Lana is about 8 km from Meran. It has approx. 36.000 inhabitants and is the capital of the district Burggrafenamt.

### **How to get to Lana**

Lana can be reached in various ways by car, bus, train or airplane (Innsbruck or Verona). For more details please look to the following internet page:  
[www.lana.info/en/service/arrival](http://www.lana.info/en/service/arrival)

### **The venue**

This three-day workshop will be held at the Raiffeisenhaus, Andreas-Hofer-Straße 9, 39011 Lana, Italy

## **2. Call for papers**

This workshop offers an excellent opportunity to discuss the implementation of the new European Directive 2009/128/EC together with experts coming from all EU Member States.

Experts are still called to send in their proposals for posters. All the extant ideas or solutions that have been developed in the member states concerning all paragraphs of Article 8 of the Framework Directive will be taken into consideration.

Please submit proposals for posters via the SPISE website from September 2011 on.

For each session, 2 – 3 platform presentations (10 min talk, 5 min discussion) already were pre-selected by the SPISE working group.

### **Abstracts:**

Abstracts are requested in Rich Text Format (rtf.) with max. 300 words, including the desired topic number of session, title of the paper, authors' names and their institutions by 30 November 2011. All abstracts of papers will be published and distributed in a conference book of abstracts.

### **Proceedings:**

Full papers will be published in a book after the meeting.

### **Deadlines:**

30/11/2011 Submission of abstracts for posters  
15/12/2011 Decision of the Scientific Committee  
30/04/2012 Submission of complete paper

### **3. Programme**

#### **Monday, 26/03/12**

**17:00 – 20:00**

**Arrival and evening registration**

Possibility to hang up posters, to hand over power point presentations and to rehearse it.

**20:00**

**Informal get-together at the Raiffeisenhaus**

#### **Tuesday, 27/03/12**

**8:00 – 9:15**

**Morning registration**

**9:30 – 10:00**

**Opening ceremony**

1. Welcoming address
  - *H. Berger*, Minister of Agriculture, Tourism, Real Estate Register and Cadastre
  - *H. Stauder*, Mayor of Lana
2. Introduction to the workshop
  - *H. Ganzelmeier*, Julius Kühn-Institut, Braunschweig, Germany

**10:00 – 12:00**

**Round table**

*Chairman: H. Ganzelmeier, P. Balsari*

1. Directive 2009/128/EC, *A. Rotteveel*, DG SANCO, EC
2. National Action Plans, *W. Zornbach*. Federal Ministry of Food, Agriculture and Consumer Protection, Bonn, Germany
3. Experience and benefits of inspection of field sprayers from farmers point of view, *J. van Wenum*, The Netherlands
4. Experience and benefits of inspection of air-assisted sprayers from wine/fruit growers point of view, *W. Waldner*, South Tyrolean Extension Service for Fruit- and Winegrowing, Italy
5. Survey on the actions of the MS to implement the inspection system of sprayers concerning the EU Directive 2009/128/EC, *H. Wehmann*, Julius Kühn-Institut, Braunschweig, Germany

**12:00 – 13:30**

**Lunch**

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**13:30 – 14:50**

**Session 1:**

**Inspections at regular intervals - Inspection of new equipment**

*Chairmen: H. Ganzelmeier, E. Gil*

1. Introduction paper of chairman
2. The official procedure for mandatory inspection of sprayers in use in Spain. How to deal with regional autonomous authorities, *E. Gil, V. Montemajor, F. Gracia* (Spain)
3. Outlook of the inspection of sprayers in Province of Trento, *D. Bondesan, P. Ianes, C. Rizzi, G. Angeli, C. Ioriatti, A. Dalpiaz* (Italy)
4. Inspection of new sprayers, *F. v. Barga* (Germany)

**14:50 – 15:10**

**Coffee break**

**15:10 – 16:30**

**Session 2:**

**Member States may apply different timetables and inspection intervals with exceptions following a risk assessment and exempt handheld pesticide application equipment or knapsack sprayers**

*Chairmen: B. Huyghebaert, N. Bjergstad*

1. Introduction paper of chairman
2. The trials on the influence of knapsack sprayer technical condition on operator exposure as an input to the risk assessment for human health, *A. Godyn, G. Doruchowski, R. Holownicki, W. Swiechowski, J. K. Ludwicki, B. Wiatrowska, R. Bankowski* (Poland)
3. Risk assessment for human health and the environment - SPISE Working Group - Proposal, *H. Ganzelmeier* (Germany)

**16:30 – 16:50**

**Coffee break**

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**16:50 – 18:30**

### **Session 3:**

**The inspections shall verify that pesticide application equipment satisfies the relevant requirements**

*Chairmen: J.-P. Douzals, V. Polvéche*

1. Introduction paper of chairman
2. Development of ISO/EN standards regarding the inspection of sprayers, *J.-C. Rousseau* (France)
3. Sprayer tank agitation check: A proposal for a simple instrumental evaluation, *P. Balsari, M. Tamagnone, D. Allochis, C. Bozzer* (Italy)
4. Inspection method for spray rate controllers in Flanders (Belgium), *J. Declercq, D. Nuyttens* (Belgium)

**18:30 – 19:30**

**Buffet dinner**

**19:30 – 21:30**

### **Optional evening activities**

*Chairmen: P. Balsari, E. Gil, D. Bondesan*

#### **1. Discussion:**

**"Are sprayer calibration, adjustment related to the leaf wall and drift reduction technologies added values for the orchard growers?"**

- "Low-loss spraying", *M. Knoll* (Italy), *K. Lind* (Austria), *P. Triloff* (Germany)
- Measurement devices for the inspection and adjustment of atomizing sprayers, *E. Herbst* (Germany), *P. Triloff* (Germany), *M. Knoll* (Italy), *K. Lind* (Austria), *S. Kleisinger* (Germany)
- Towards integration of inspection procedures, calibration and drift reducing devices for an efficient use of pesticides and reduction of application impact, *D. Bondesan, C. Rizzi, P. Iane, G. Angeli, C. Ioriatti, A. Dalpiaz* (Italy)

#### **2. Exhibition of inspection facilities**

#### **3. Posters**

- Proposal of an inspection methodology for pneumatic drills, *D. Pochi, M. Biocca, R. Fanigliulo* (Italy)
- A new test bench for the inspection and the adjustment of the sprayers employed in the mediterranean tree cultures, *S. Pascuzzi, A. Guarella* (Italy)
- Testing device for a complex measurement of the performances of nozzles, *J. Sawa* (Poland), *B. Huyghebaert* (Belgium), *S. Parafiniuk* (Poland)
- Harmonization of Romanian legislation with the European regulations - actions to implement the sprayers' inspection system in accordance with EU Directive 2009/128/EC, *E.-M. Nagy, P. Boros, D. Manea, S. Bungescu, O. Ranta*, (Romania)

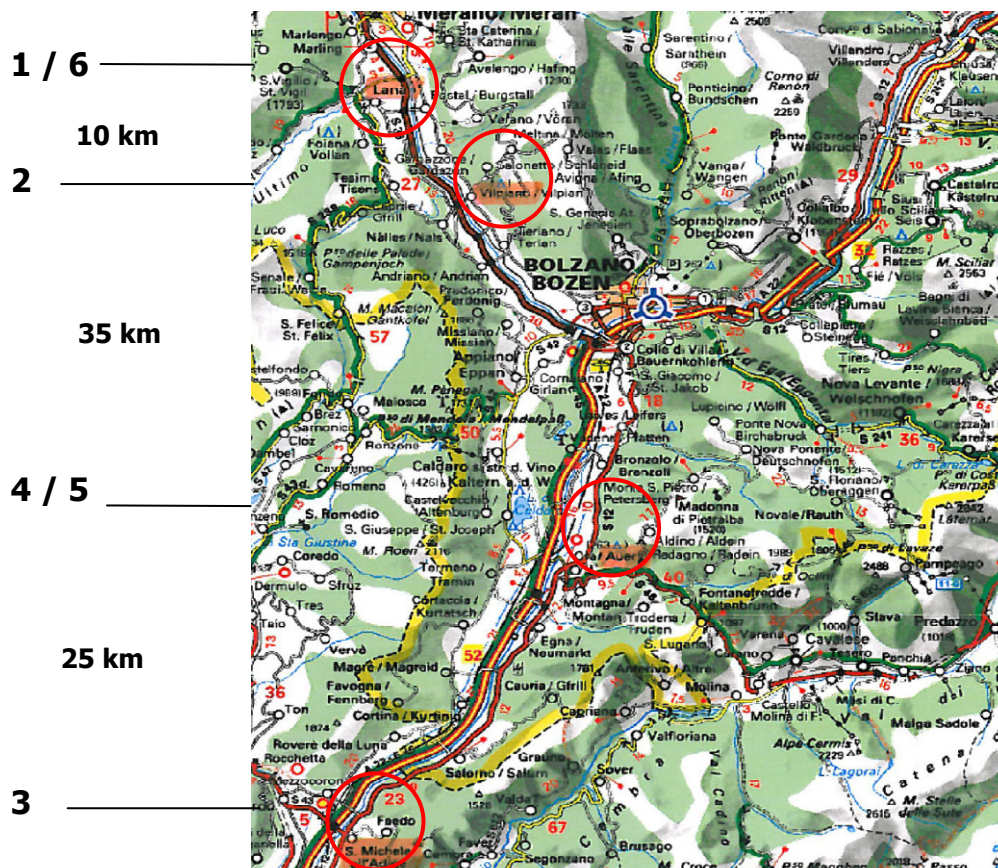


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**Wednesday, 28/03/12**

## Tentative Excursion Programme

- 1. Lana** 8:00 Departure by bus
- 2. Vilpian** 8:20 – 10:00
  - Visit of the sprayer manufacturer Lochmann. Visit of the sprayer calibration facility and air-flow test stand.
- 3. San Michele all'Adige** 11:00 – 14:30
  - Visit of the Research Centre Edmund Mach Foundation. Presentation of the results of the drift measurements in orchards and vineyards.
  - Lunch
- 4. Auer/Pfatten** 15:00 – 18:00
  - Visit of the orchard- and vineyard-sprayer test facility. Demonstration of the inspection procedure and of spray drift reducing techniques
  - Visit of the Research Centre for Agriculture and Forestry Laimburg. Demonstration of spray drift reducing techniques in vineyards. Presentation of trials on drift-reducing application techniques in apple orchards.
- 5. Laimburg** 18:00
  - Workshop Dinner in the Stone Cellar of the Research Centre Laimburg.
- 6. Lana** about at 23:00 arrival





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**Thursday, 29/03/12**

**8:45 – 10:10**

**Session 4:**

**Regular calibrations and technical checks of pesticide application equipment**

**Member States shall establish certificate systems for mutual recognition of the certificates**

*Chairmen: J. Kole, P. Harašta*

1. Introduction paper of chairman
2. Certificate system for mutual recognition of inspected pesticide application equipment between Member States – SPISE Working Group proposal, *J. Kole* (The Netherlands), *H. Ganzelmeier* (Germany)
3. Authorisation of inspection facilities and workshops (ENTAM?, SPISE?, other options?) *H. Kramer* (Germany)
4. A proposal for an EU (SPISE) database of the licensed sprayers inspectors and inspection centres, *G. Oggero, P. Balsari, D. Allochis, P. Marucco* (Italy)

**10:10 – 10:40**

**Coffee break**

**10:40 – 12:00**

**Session 5:**

**Training**

*Chairmen: E. Nilsson, P.-G. Andersen*

1. Introduction paper of chairman
2. Sprayer calibration training – concept and performance, *G. Doruchowski, R. Holownicki, A. Godyn, W. Swiechowski* (Poland)
3. The necessity of a harmonized procedure for sprayers inspectors training. The Italian activity, *P. Balsari, D. Allochis, G. Oggero, P. Marucco* (Italy)
4. Training of inspectors for the periodic inspection of spraying equipment in a system of authorised mechanic workshops, *H. Koch* (Germany)

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**12:00 – 13:00**

**Lunch**

**13:00 – 14:00**

**Session 6:**

**Miscellaneous**

*Chairmen: P. Balsari, R. Holownicki*

1. An overview of the defects on tested orchard sprayers in Belgium, *J. Declercq, B. Huyghebaert, D. Nuyttens* (Belgium)
2. Assessment of nozzle flow rate measurement for the inspection of sprayers in use, *F. Solanelles, A. Tarrado, F. Camp, F. Gràcia* (Spain)
3. Uniform cross distribution of double flat spray nozzles may be affected by the design of the sprayer, *R. Heinkel, E. Herbst* (Germany)

**14:00 – 15:00**

**Closing Session**

*Chairmen: P. Balsari, J. Kole, B. Huyghebaert, J.-P. Douzals*

1. Summary of conclusions of sessions 1 – 6
2. Recommendations of the workshop and closing

## **4. General information**

### **Registration:**

The online registration via the SPISE website

<http://spise.jki.bund.de>

is available.

### **Workshop fees:**

Workshop fee:	200 €
Late booking surcharge (after 15/01/2012):	30 €

The fee includes cost of registration, abstracts, proceedings, excursion, coffee, soft drinks, three lunches, buffet dinner and workshop dinner.

A charge of € 50 will be made on any cancellations. No refunds will be given after 15 February 2012.

### **Payment:**

Name of the bank:	Raiffeisenkasse Lana
Name of account:	Suedtiroler Beratungsring fuer Obst und Weinbau
Account number (IBAN):	IT 82 K 08115 58490 000301014382
BIC/SWIFT:	RZSBIT21014

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### Accommodation in Lana



#### [Aktivhotel Pöder](#)

Gilmanweg 1, 39011 Lana (BZ)

T +39 0473 561258

[info@hotel-poeder.com](mailto:info@hotel-poeder.com)

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#### [Garni-Hotel Teiss](#)

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Further suggestions you will find at

<http://www.lana.info/urlaubsplaner/unterkuenfte/>

Reservation for „SPISE“ workshop is open till 31/01/2012

**4<sup>th</sup> European Workshop on Standardised Procedure for the Inspection of  
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Chairman: Ganzelmeier, H. (D)

**Members:**

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Balsari, P.	(I)	Knoll, M.	(I)
Bjugstad, N.	(N)	Kole, J.	(NL)
Bondesan, D.	(I)	Nilsson, E.	(S)
Douzals, J.-P.	(F)	Polvêche, V.	(F)
Gil, E.	(ES)	Waldner, W.	(I)
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