



Information on Machine Demonstrations

As at 26/09/2023

Table of contents	Page
1. Preliminary remarks.....	2
2. Machine demonstrations at DLG Feldtage 2024.....	3
3. Machine demonstration rules.....	4
4. Explanations concerning the machine demonstration topics	5
5. Safety concept of the machine demonstrations	10
6. Contact persons at DLG Service GmbH	11
7. DLG-Feldtage 2024 site plan (<i>As at September 2023</i>).....	12

1. Preliminary remarks

Machine demonstrations out of the box:

Agriculture thrives on the ability to adapt to changing natural conditions, new economic and political requirements, consumer demands and trends.

The DLG Feldtage (Field Days) is the meeting place for crop production professionals who are mastering these changes. This often requires looking beyond one's own field to innovative and goal-oriented solutions - in other words, "out of the box".

In this spirit, we would like to enrich the machine demonstrations at the DLG Feldtage 2024 with refreshing new ideas.

For all seven demonstration topics at the DLG Feldtage 2024, innovative technical solutions that fit the content of one of the seven topics are therefore welcome, in keeping with the guiding theme of "Out of the box".

If you have an idea that meets this criterion, please feel free to contact us at any time about the possibilities of presenting it as part of one of the demonstration topics.

The innovations at a glance:

- ✓ Commented demonstrations on all topics: All the tractor-trailer combinations (or self-propelled vehicles) taking part in the demonstrations will be presented to the visitors every day with commentary!
- ✓ All demonstration topics will have their own time slot to give visitors the opportunity to visit all demonstration topics.
- ✓ The demonstration topics with land use will be presented once a day as part of the commented demonstration on three DLG courses. Exhibitors also have the option of booking a demo area behind their own stand area. Here, the tractor-trailer combination(s) registered for demonstration can be demonstrated individually for the customer. The following demonstration topics will run on the DLG course:
 - Weed control with harrow and hoe in cereals and maize
 - Shallow tillage - from the shallow cultivator to the skimmer plough
 - Multi-tank drills for combined sowing of seeds and fertiliser
- ✓ The demonstration topics without land use will be presented twice a day in a newly created Live Arena. The following demonstration hotspots will be located in the Live Arena:
 - Innovative technology for chemical crop protection
 - High-tech mineral fertiliser spreaders - focus on performance and precision
 - Solutions for sensor-based N fertilisation and documentation
 - Technology for lifting, loading and filling in the field

The following explanations are intended to make your participation in the demonstrations easier and to provide you with the information necessary for registering for participation in the machine demonstrations using the Exhibitor Portal. Please read and observe the points listed in the following! If you nevertheless have any questions, please contact the persons listed on Page 11.

A total of approx. 65 tractor-trailer combinations can be registered for seven topics at DLG-Feldtage 2024. For each of the seven topics, there is a **slot** which describes the number of machines participating per topic. If necessary, shifts between the slots are possible by the organiser.

2. Machine demonstrations at DLG Feldtage 2024

2.1 Conception of the machine demonstrations on the three DLG courses:

The demonstrations on the DLG courses cover the following topics:

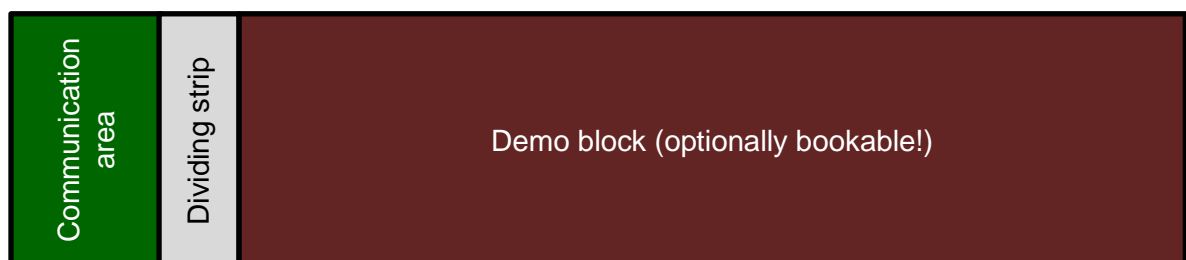
- DLG course 1: Weed control with **harrow and hoe** in cereals and maize
- DLG course 2: **Shallow tillage** - from the shallow cultivator to the skimmer plough
- DLG course 3: **Multi-tank drills** for combined sowing of seeds and fertiliser

- **New:** One commented demonstration of each participating machine per trade fair day by experts organised by the DLG
- **New:** Optionally bookable demo block behind your own stand with individual configuration of machine use. This creates an additional opportunity for exhibitors to create their own customised machine presentations for individual customers.
- Increase in visitor efficiency and intensity of consultation through the combination of a demonstration on the DLG courses and an optionally bookable demo area of the exhibitor.
- More time for individual consultation at the stand, as the machines can be returned to the stand as soon as possible after the demonstration and the machine in question can be consulted on/demonstrated there on an exhibitor-specific basis.
- In difficult weather conditions, possibility of machine presentation in the Live Arena.
- Better visitor distribution over the entire site.

Important information about the optionally bookable demo blocks:

- The agronomic design of the demo block corresponds to the DLG course and will be carried out accordingly by the DLG.
- Dimensions of demo block: 24 m x approx. 80 m.
- The machine in use (when not being demonstrated) stands on its parking space.
- Each demonstration block will be demarcated and marked with a plough furrow to the neighbouring demonstration block.
- Demonstrations can be held all day - except for the lunch break from 12:30 p.m. - 1:30 p.m. and during the commented presentation of the topic.
- There will be no DLG commentary on the demo blocks. Commentaries for visitor groups by the exhibitor are only possible using headsets (not a PA system!); the **headsets** must be supplied by the exhibitor.
- No additional advertising media (beach flags, banners, etc.) are permitted on the demonstration blocks.

Example of stand with demonstration block:



2.2 Concept for the machine demonstrations in the Live Arena:

The commented demonstrations offered for the first time in the new Live Arena cover the topics:

- Innovative technology for chemical **crop protection**
 - High-tech **mineral fertiliser spreaders** - focus on performance and precision
 - Solutions for **sensor-based N fertilisation** and documentation
 - Technology for **lifting, loading** and filling in the field
-
- **New:** Presentation of and consultation on a "second machine" possible at the stand.
 - Two commented demonstrations of each participating machine per trade fair day.
 - Visitor-friendly bundling of all demonstrations without wasting space while at the same time improving the implementation of the presentation possibilities.
 - Further increase in visitor efficiency through short distances and high information density.
 - More time for individual consultation at the stand, as the machines can be returned to the stand as soon as possible after the demonstration in the arena and the machine in question can be consulted on/demonstrated there on an exhibitor-specific basis.
 - Reduction of demonstration risks in difficult weather conditions.

Important information concerning the demonstrations in the Live Arena:

- The stand outside the arena consists of the communication area and the machine parking area.
- The machines will be demonstrated twice a day with commentary in the Live Arena. Outside of the demonstration times, your machines will be parked in the free parking area behind the communication area.
- For exhibitors registered for the demonstrations in the Live Arena, it is possible to place an additional machine suitable for the respective topic (which will not be demonstrated in the Live Arena) on the parking area for customer consultation (= subject to a charge). This offer can be booked via the Exhibitor Portal.
- The demonstrations within the Live Arena will be commented by experts organised by the DLG.

3. Machine demonstration rules

3.1 Only machines and implements that have been properly registered, that meet the agreed technical specifications and that match the topics of the machine demonstrations may be exhibited. If a machine to be demonstrated cannot take part in the demonstration due to technical or other reasons, it must be removed from the event area!

Exhibitors registering in the area of the Live Arena topics have the option of placing one additional machine suitable for the topic in each case on the parking area for customer consultation (= subject to a charge).

3.2 For each topic, the participants will be arranged in the alphabetical order of the exhibitors. On participation in several demonstrations, the exhibitor will decide on its positioning in coordination with DLG Service GmbH.

3.3 The person responsible for your safety on site must be designated to us in writing on registration. The person responsible may be changed up to the start of the event, but DLG must be notified of this in writing.

3.4 Commented demonstrations on the DLG courses will take place once a day. Demonstrations on the DLG courses can only take place under the control of DLG during the specified machine demonstration times. If a demo block is booked as an option, the exhibitor is responsible for the individual

demonstrations there and for security - it must either provide security personnel itself or book this with DLG Service GmbH.

3.5 The DLG will provide security personnel for the commented demonstrations on DLG courses and inside the Live Arena. The commented demonstrations in the Live Arena will take place twice a day (details: see Pg. 8 "The planned schedule at a glance").

3.6 Partnerships are possible for the following topics:

- High-tech **mineral fertiliser spreaders** - focus on performance and precision & Solutions for **sensor-based N fertilisation** and documentation

Participants in the topic "Solutions for sensor-based N fertilisation ..." must find a partner to equip with their technology. The partners will be positioned next to one another in the site layout planning.

3.7 DLG will not take out any liability, fire, theft or other insurance for the registered machines. The costs of transporting the machines there and back will not be covered by DLG. DLG will accept no liability for the loss of machines, equipment, structures or other material assets brought in by the exhibitor. Securing the machines is the responsibility of the exhibitors.

3.8 Advertising measures may not hinder the smooth running of the demonstrations under any circumstances.

3.9 Exhibiting machines in the communication area outside of these rules is not permitted; at most, machine parts or models may be displayed.

3.10 A total of approx. 65 tractor-trailer combinations (= starting places) may take part in the demonstrations. Please note that there are a certain number of starting places (= slots) for each topic. In total, these slots make up the 65 starting places. If there are more registrations than slots for any of the topics, a waiting list will be opened. After the closing date for registrations, the DLG will then consider shifting slots between the topics and coordinate a possible starting place with the registrants on the waiting list.

4. Explanations concerning the machine demonstration topics

Machines can be demonstrated for the following **topic areas**:

4.1 Demonstrations on DLG courses

4.1.1 DLG course 1: Weed control with harrow and hoe in cereals and maize with the methods:

- a) Harrowing in oat in 3-leaf stage
 - b) Hoeing in maize; 50 cm row spacing; 10 cm to 20 cm growth height targeted
 - c) ... further innovative technology solutions as an alternative to chemical weed control in maize and cereals
- Each manufacturer can register and demonstrate one machine per procedure (max. two on this topic).
 - Hoe working width: 2.7 to 6 m; 6 and 12-row.
 - Harrow working width: 6 m to 9 m.
 - Implement adjustment on-site is the responsibility of the exhibitor. A small area for checking the implement/machine settings is available for each implement free of charge.
 - For each implement, a demo block (24 m x 80 m) with the same sowing can be booked for a charge as an option.

Slot: 22 machines, including 14 x hoes and 8 x harrows

4.1.2 **DLG course 2: Shallow tillage – from shallow cultivator to skimmer plough**

e.g. cultivator, shallow cultivator, short disc harrow, tiller, etc.

- Cereal stubble after whole crop silage
- A maximum of one device per brand may be demonstrated
- Working width 3 m to 6 m
- Working depth at least 3 cm; max. 8 cm
- Implement adjustment on-site is the responsibility of the exhibitor. A small, area for checking the implement/machine settings is available for each implement free of charge.
- You'll find cereal stubble on your optional demo block (24 m x 80 m).

Slot: 11 implements for flat stubble tillage

4.1.3 **DLG course 3: Multi-tank drills for combined sowing of seed and fertiliser** incl. broken-down versions e.g. with front tank

- Stubble cultivated after whole crop silage
- A maximum of one seed drill per brand may be demonstrated; a demo area can be booked for each machine as an option
- Working width 3 m to 6 m
- Implement adjustment on-site is the responsibility of the exhibitor. A small, area for checking the implement/machine settings is available for each implement free of charge.
- You'll find cultivated cereal stubble on your optional demo block (24 m x 80 m).

Slot: 11 implements for combined sowing

4.2 Demonstrations in the Live Arena

4.2.1 **Innovative technology for chemical crop protection**, such as trailed sprayers and self-propelled sprayers, as well as other solutions for the efficient, precise application of chemical crop protection products.

- A maximum of one sprayer per brand may be demonstrated.
- Working width 24 m to a maximum of 36 m
- **The track width of the tractor-trailer combinations and self-propelled vehicles must be at least 2.00 m and may be a maximum of 2.25 m.**
- Field sprayers are to be filled 2/3; water will be provided by DLG.
- The demonstration will take place on an obstacle course in coordination with the participating exhibitors. The entire course can be driven over with automatic linkage guidance.
- An innovation section of approx. 40 m (= innovation track) is set up on the return route, where each registered machine can present individual solutions.

Slot: 9 crop protection sprayers

4.2.2 **High-tech mineral fertiliser spreaders & Solutions for sensor-supported N-fertilisation and documentation** - e.g. throwing spreaders, pneumatic spreaders; also crop sensors and other solutions for the efficient, precise application of mineral fertiliser

- One spreader per brand or one sensor per brand is permitted.
- 1st round: "Edge and water boundary spreading" on cereal stubble with visualisation of the spreading quality achieved on an LED wall.
- 2nd round: Sensor-controlled fertilisation on winter wheat in different N supply stages.
- Sensor manufacturers and fertiliser spreader manufacturers form teams. If team formation has not proven possible, spreaders can also take part in the demonstration without a sensor – then only the "edge and water boundary spreading" (1st round) passage will be commented.
- During edge and water boundary spreading (outward journey) demonstration, the working width is to be set to 27 m. DLG will provide AKRA Kombi from Karner as the fertiliser (or a similar fertiliser).
- For the 2nd round, the sensor manufacturers are required to install a clearly visible display on the cab roof on which the quantity of nitrogen registered by the sensor or recommended by

the overlay for the sub-area is displayed in kg N/ha.

Slot: 6 fertiliser spreaders and a maximum of 6 N sensors

4.2.3 **Technology for lifting, loading and filling in the field**

Telescopic loaders, front loaders on tractors, etc.

- One machine of each brand is approved.
- Within the framework of a circular course, the technology must tackle various practical tasks in the Live Arena.

Slot: 6 mobile loaders

4.3 Overview of the planned schedule (valid on all exhibition days!)

Machine demonstrations in the morning:	
9:00 a.m. to 12:30 p.m.	Demonstrations on demo blocks (optionally bookable) for participants in the area of DLG courses 1, 2 and 3.
	Demonstrations in the Live Arena:
10:00 a.m. to 10:30 a.m.	Innovative technology for chemical crop protection
10:30 a.m. to 10:50 a.m.	Technology for lifting, loading and filling in the field
10:50 a.m. to 11:20 a.m.	High-tech mineral fertiliser spreaders - focus on performance and precision & Solutions for sensor-based N fertilisation and documentation
11:30 a.m. to 12:30 p.m.	DLG course 1: Weed control with harrow and hoe in cereals and maize
12:30 p.m. to 1:30 p.m.	<i>Lunch break - no machine operation</i>
Machine demonstrations in the afternoon:	
1:30 p.m. to 6:00 p.m.	Demonstrations on demo blocks (optionally bookable) for participants in the area of DLG courses 1, 2 and 3.
1:30 p.m. to 2:00 p.m.	DLG course 2: Shallow tillage - from the shallow cultivator to the skimmer plough
2:00 p.m. to 2:30 p.m.	DLG course 3: Multi-tank drills for combined sowing of seeds and fertiliser
	Demonstrations in the Live Arena:
2:40 p.m. to 3:10 p.m.	High-tech mineral fertiliser spreaders - focus on performance and precision & Solutions for sensor-based N fertilisation and documentation
3:10 p.m. to 3:30 p.m.	Technology for lifting, loading and filling in the field
3:30 p.m. to 4:00 p.m.	Innovative technology for chemical crop protection

4.4 Date information

- Registrations for the machine demonstrations are possible online in the Exhibitor Portal. If the maximum registration numbers specified for the individual demonstration topics (= slots) are reached by the registration deadline, a waiting list according to receipt of registration will be established. If a registered participant cancels, its place will be taken by the first prospect on the waiting list.
- The closing date for participation in the machine demonstrations is 8 December 2023.
- There are plans to offer interested manufacturers the following dates for fine-tuning the content of the demonstrations during AGRITECHNICA 2023 in Hanover in the CC:
 - Alternatives to chemical weed control in cereals and maize, Shallow tillage - from the shallow cultivator to the rotary plough Multi-tank drills for combined sowing of seed and fertiliser Wednesday, 15/11/2023, 3:00 p.m. to 5:00 p.m.; Room 17
 - Technology for lifting, loading and filling in the field Thursday, 16/11/2023, 9:30 a.m. to 11:30 a.m.; Room 104
 - Innovative technology for chemical crop protection Thursday, 16/11/2023, 4:00 p.m. to 6:00 p.m.; Room 104
 - High-tech mineral fertiliser spreaders - focus on performance and precision & Solutions for sensor-based N fertilisation and documentation Friday, 17/11/2023 9:00 am to 10:30 am Room 104
- During the demonstration on the three DLG courses and in the Live Arena, a completed data sheet for each registered machine/implement will be required as the basis for the commentary – you will receive this along with your stand confirmation. Please return this by 27/05/2022.
- Along with the **stand confirmation in February 2024**, the participants will receive further details on "their" topics, and requests for successful participation will be queried (poss. tractor and driver requirements, details of the machine, etc.).
- **Set-up and removal/briefing**
 - The machines must be delivered to the demonstration site by 12:00 p.m. on Saturday, 8 June 2024.

Delivery address:
Gutsverwaltung Brockhof
Brockhof Estate Management
DLG-Feldtage
Brockhof 1, 59597 Erwitte, Germany
 - Removal must take place during the removal period from **13 June 2024, 6:30 p.m.** to **15 June 2024, 6:00 p.m.**.
 - The welcoming address, briefing and the safety briefing for all manufacturers taking part in the demonstration, their safety staff and the tractor-trailer combination drivers will take place at the "DLG machine demonstration information stand" on Monday, **10 June 2024 at 1:00 p.m.** The commentators then explain the demonstration topics and details of the demonstration procedure. The adjustment areas and demonstration areas for checking the implement/machine settings can only be released once the briefing has been completed – weather permitting.
 - During the three days of the event, a discussion of current issues will take place **each day at 8:30 a.m.** with all of the involved manufacturers at the "DLG machine demonstration information stand". If there is an acute need, an additional meeting can additionally be convened at short notice at **1:00 p.m.**

5. Safety concept of the machine demonstrations

5.1 Fundamental safety principle

All machine demonstrations in the context of DLG-Feldtage must be carried out so that any risk to persons and material assets can be ruled out with virtual certainty.

All exhibitors that demonstrate machines on their demonstration blocks are primarily responsible for the safety of visitors in their areas. They are responsible for the conscientious planning and implementation of, and adherence to, all measures pertaining to safety. The exhibitor bears this responsibility for public safety for the sequence and the execution of its machine demonstration. Adherence to the relevant accident prevention regulations is mandatory. All of the machines that are used must comply with the fundamental directives and laws and must bear a CE marking.

The organiser reserves the right to interrupt or prohibit a machine demonstration at any time if safety regulations are not adhered to or if the situation necessitates this.

5.2 Insurance obligation

The tractors or self-propelled vehicles must either be registered as usual or insured via the exhibitor liability insurance.

5.3 Responsibilities

To organise the machine demonstrations, DLG Service GmbH will appoint a person who is present on site throughout the entire duration of the event and who will act as a contact person for the exhibitors in matters pertaining to safety.

The exhibitor will name a 'person responsible' for safety to DLG Service GmbH, irrespective of whether the exhibitor conducts a demonstration on a DLG course or in the Live Arena. A demonstration is not possible without this nomination and without this person being present. This "person responsible" for the safety of the machine demonstration must be on site and contactable throughout the entire duration of the event, and must ensure adherence to the fundamental safety principles (as per number 5.1).

For the demonstrations on demonstration blocks, the exhibitor will ensure, by the start of the event at the latest, that two persons secure the demonstrated tractor-trailer combination as escorts during the individual demonstrations on the demonstration block. The escorts will be equipped with warning vests and a signal horn, and must ensure that no visitors are stood in the danger zone or on the machine. A person wearing a seat belt may travel on the co-driver seat of the tractor – getting on and off while the vehicle is in operation is prohibited! The escorts must be briefed on their tasks by the exhibitor's designated "responsible person".

The escorts can also be provided by a service provider still to be named by the DLG.

The safety briefing for this staff is also the responsibility of the exhibitor's "responsible person". DLG Service GmbH will provide the escorts for the demonstrations on the four DLG courses and in the Live Arena.

5.4 Drivers

All drivers of demonstration tractor-trailer combinations must be in possession of the necessary driving licence and ensure cautious and safety-conscious behaviour. Each driver must be familiarised with the operation of the demonstration tractor-trailer combination by the exhibitor. The zero alcohol rule applies to all drivers during the event. All drivers will be registered for the "specific tractor-trailer combination" and will be provided with a thorough safety briefing on site by the organiser.

5.5 Special safety requirements

Speed may not pose a potential hazard to the visitors. Journeys from the machine parking area to the course and the Live Arena must be undertaken at walking pace. The demonstration block is visually delimited by a ploughed furrow so that visitors are aware that they are entering the demonstration area.

The exhibitor must implement specific safety measures to counteract the special risks, particularly when turning the tractor-trailer combinations, during fertiliser spreading, on machines with extensively protruding components or in the case of dust development.

6. Contact persons at DLG Service GmbH

Phone: +49-(0)69-247-88

Area of responsibility	Name	Telephone extension	E-mail
Project Management	Andreas Steul Project office	262 369	a.steul@dlg.org feldtage@dlg.org
<u>Machine demonstrations</u>	Roland Hörner Dr. Jobst von Schaaffhausen	337 Mob.: 0175/7226515 329 Mob.: 0160/90638369	r.hoerner@dlg.org j.schaaffhausen@dlg.org

