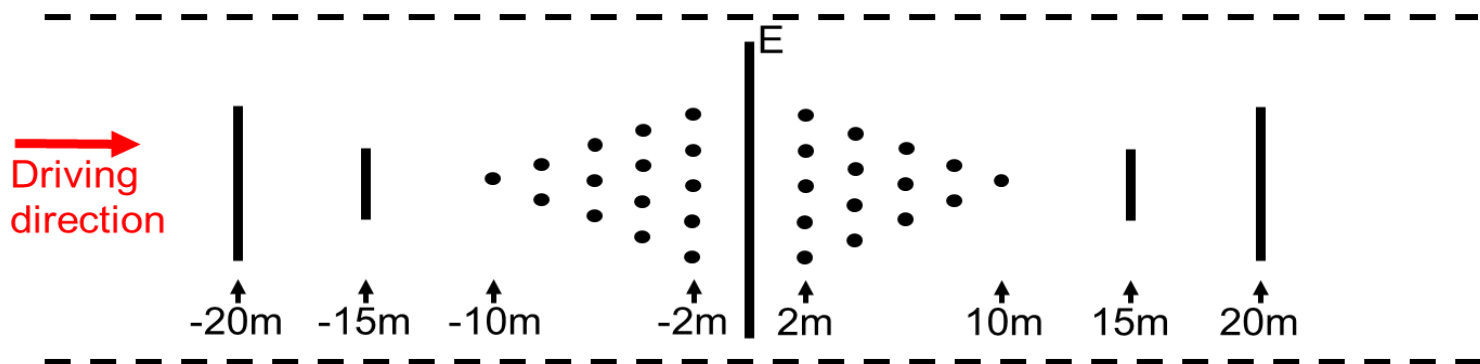


Date
Company
Spreader model

29. January 2013
 Küpper Weisser
 IMS Combiwet, IMS SF E35050 HFO



Ref. point	Action	1: 30 km	2: 30 km	3: 50 km	4: 50 km
A	Start, 6 m	0	5	-2	5
B	Bus stop right, 6+2,5	-4	-4	-4	0
C	Bus stop left, 6+2,5	0	3	-7	-6
D	End of bus stop, 6 m	-6	-2	-5	-10
E	Salting stops	3	-2	2	-3
F	Start at O2, 4 m.	0	-2	-6	-4
G	Salting stops	0	-2	-2	-2
H	Salting starts leaving O2, 4 m.	4	6	6	10
I	Change 4->8 m	-2	2	-7	-4
E	Salting stops	2	6	-1	6
O1	Transport				Detour: Yes
I	Salting starts, 4 m	0	3	-2	6
F	Salting stops	-3	0	0	-4

Preparation

Salt or liquid loading, dosage:
 Camera mounting & check
 Data collection must be checked in Vinterman

30 g.
 Ok
 Ok

Recording

If possible, data collection should be "on"
 One test-staff person in the recording vehicle

On
 Helene Hyldgaard

Replay

Restart data collection between each run
 One test-staff person in the truck

Ok
 Helene Hyldgaard

Evaluation

Participants from the company:
 Test staff:

Bent von Müllen, Nigel Rhodes, J. Tische
 Helene Hyldgaard & Bo Sommer

Test Result

29. January 2013: Küpper Weisser

Ref. Point	Description	First run: 30 km/h precision, m	Second run: 30 km/h precision, m	Third run: 50 km/h precision, m	Fourth run: 50 km/h precision, m	Min-Max m
A	At start, 6 meter	0	5	-2	5	7
B	Start at right bus stop	-4	-4	-4	0	4
C	Start at left bus stop	0	3	-7	-6	10
D	Bus stop finish	-6	-2	-5	-10	8
E	Salting stops	3	-2	2	-3	6
F	Start at O2, 4 meter	0	-2	-6	-4	6
G	Salting stops after one full round in O2	0	-2	-2	-2	2
H	Start on the way out of O2, 4 meter	4	6	6	10	6
I	Change from 4 to 8 meter	-2	2	-7	-4	9
E	Salting stops	2	6	-1	6	7
I	Start at 4 meter after long transport	0	3	-2	6	8
F	Salting and test stops	-3	0	0	-4	4

Color	Definition of the accuracy evaluation at every reference point	Points
Fine	A fine start or stop is when the change occurs within 5 meters from the specified reference point. 5 meters are equal to 0,3 second driving at 60 km/h	0
Acceptable	A just acceptable result will be when a change occur with a precision of 8 meters from the specified point equal to 0,5 second at 60 km/h	0,5
Un-acceptable	An unacceptable result is a precision of 8-20 meters corresponding to 0,5-1,2 second at 60 km/h	2
Missed change	A missed change is when it takes place more than 20 meter away form the reference point or does not take place at all	8
Note: In the Min-Max column an extra 5 meter is allowed		

Test result	Green	Yellow	Pink	Red	Total
Weight for each colour in the score	0	0,5	2	8	
Number of cells with each colour	48	10	2	0	60
Relative number of cells, %	80,0	16,7	3,3	0,0	100
Test result: Score	0,0	8,3	6,7	0,0	15,0

Test Notes

Durign recording: A full stop was done at each reference point to improve recording quality

4.th run, reference point H: The value has been set to 10 m after inspecting the test field together with Bent von Müllen

Data collection have not been testet during this test

Test Document Status

4. March 2013: Draft version waiting for comments from Küpper Weisser

2, April 2013: Küpper Weisser has no comments. The test can be published