

TESTING GPS CONTROLLED SALT SPREADING

TEST RESULT: EPOKE 07.09.2011

April 2012

INTRODUCTION

This test result report is following specification in the general document "Testing GPS Controlled Spreading and Data Collection" from April 2012.

TEST DETAILS

Company: Epoke
 Contact: Anders G. Hansen, agh@epoke.dk
 Spreader: Sirius 4902
 Dry/liquid: Brine spread by nozzles
 Date: Wednesday 7.th of September 2011
 Test staff: Krister Persson, Krister.Persson@agrsci.dk & Bo Sommer, bs1@vd.dk

TEST RESULT

Wednesday 07.09.2011: Epoke						
Reference 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	-20	-15	-15	-15	5
B	Start at right bus stop	-4	-3	6	0	10
C	Start at left bus stop	0	0	0	2	2
D	Bus stop finish	-2	4	2	2	6
E	Salting stops	0	-2	-3	-6	6
F	Start at O2, 4 meter	6	2	4	5	4
G	Salting stops after one full round in O2	-4	-4	-4	-6	2
H	Start on the way out of O2, 4 meter	-9	-4	10	-8	19
I	Change from 4 to 8 meter	-4	-7	2	-4	9
E	Salting stops	-6	-4	-9	-10	6
I	Start at 4 meter after long transport	0	2	10	15	15
F	Salting and test stops	10	8	10	12	4

Figure: Test results from the video evaluation with colours for accuracy

Epoke, 07.09.2011	Green	Yellow	Pink	Red	Total
Weight for each colour in the score	0	0,5	2	8	
Number of cells with each colour	37	8	15	0	60
Relative number of cells, %	61,7	13,3	25,0	0,0	100,0
Test result: Score	0,0	6,7	50,0	0,0	56,7

Figure: Calculation of the final test result

Total score for GPS Controlled Spreading: 56.7



OTHER TEST NOTES

During recording some parts of the test fields was occupied by a lot of straw bales, which wasn't completely removed during recording. Especially reference point A was disturbed by a tractor and a large trailer holding all the straw bales. This might have affected the recording, but everything was moved of the track during the four tests.

