



Fertilizer Australia, Incorporated.
Reg. No. A0025290C, ABN 71 395 757 876, ARBN 106 743 015



Australian Fertiliser Services Association Limited
ABN 41 603 301 266

Accu-Spread Testing Procedure

Preparation			
1.	<p>Ensure that all of the testing equipment is available and in proper working condition; including:</p> <ul style="list-style-type: none"> • A copy of the latest version of the Accu-Spread Program <i>Process and Procedures</i> document • String line (at least 60m in length) • 60 empty and clean collection trays (50cm x 50cm) • 60 baffle inserts • 60 plastic cups • 1 set of calibrated scales (scales must be calibrated in accordance with the operating instructions), with an interval of no more than 0.1 grams and a minimum upper range of 200 grams. • Data recording sheets • Lap-top computer with the latest Accu-Spread software loaded • 1 spare set of batteries to suit scales • Level platform for weighing and recording data • Beaufort wind scale or anemometer • Sieve box with the following sizing <2.0, 2.0–3.3, 3.3-4.75, >4.75mm. 	Yes	No
2.	<p>Ensure appropriate personal protection equipment is at hand and used</p> <ul style="list-style-type: none"> • Hat • Sunglasses • Sunscreen • Sturdy boots • High visibility vest or similar. 	Yes	No
3.	<p>Select a flat and smooth site to undertake the tests, ensuring adequate space is available.</p> <ul style="list-style-type: none"> • A long straight run is required, at least 200 metres in length with space for turning • A width of at around 100 metres is required to fit the full set of trays and allow room for truck turning. 	Yes	No

4	Ensure weather conditions are suitable for testing: <ul style="list-style-type: none"> • Calm or low wind conditions – leaves may be rustling but branches should not be swaying • No rain, sleet, snow etc. 	Yes	No
5.	Place the baffle inserts into the collection trays, ensuring they are in contact with the bottom of the tray and are evenly spaced. The top of the insert should be at least 25mm below the top of the tray.	Yes	No
6.	Select the vehicle path, in parallel with the direction of any wind. Avoid cross-winds.	Yes	No

Setting Up			
7.	Run a string line perpendicular to the direction of travel and any wind.	Yes	No
8.	Mark the centre and place a tray so this point is underneath the centre of the tray. This will mark the line that is straddled by the spreading machine as it passes the trays.	Yes	No
9.	Place the trays at 1 metre intervals (centre to centre) from this centre tray along the string line'. You should have 29 on each side of the centre tray. <i>Note: to ensure accurate spacing, trays can be placed side by side, with every second tray removed.</i>	Yes	No
10.	Remove the one tray on both sides of the centre tray, to allow space for the wheels of the spreading machine.	Yes	No
11.	Ensure the spreading machine has adequate product loaded to allow a normal (for the operator) application rate. <i>Note: A rate of no less than 100kg/ha will ensure an adequate amount of product is deposited in the trays.</i>	Yes	No
12.	Direct the operator to run the spreader to ensure that fertilizer is falling onto the spinner – before passing over the trays.	Yes	No
13.	Direct the operator to drive over the trays twice (from the same direction), ensuring the spreader is turned on at least 40 metres before the trays, and turned off 40 metres after passing the trays.	Yes	No
14.	On completion of the two runs, ensure the machine has stopped and then collect and empty the contents of each tray into individual cups. The cups should be collected from left to right (when looking in the direction the machine has traveled), and stacked sequentially. <i>Note: It is important that the centre cup is marked, perhaps by placing a coin in it after the contents have been emptied into it.</i>	Yes	No

Data Collection			
15.	Take the cups to the weigh scales, which have been placed on a level and flat surface – in a wind protected area.	Yes	No
16.	Tare (or calibrate) the scales using an empty cup.	Yes	No
17.	Weigh and record the weight of the fertilizer in each cup, onto the recording sheets or directly into the Accu-Spread program on the lap-top. Remember to leave zeros for the two missing trays – the program will automatically fill these in later by taking an average of the contents of the centre tray and the closest tray either side of centre.	Yes	No
18.	Observe the output of the tests (on the lap-top screen) with the spreader operator/owner, who may wish to make some adjustments and seek an immediate retest. If other tests are requested by the client, an additional charge may need to be negotiated.	Yes	No
19.	Take a representative fertilizer sample to determine the particle size distribution using a sieve box. Record this information on the recording sheet or enter it directly into the Accu-Spread model.	Yes	No

Clean-up			
20.	Ensure all equipment is checked for any maintenance needs, and pack into Accu-Spread trailer.	Yes	No

The following steps in the process will be assessed by the Customer Service Manager.

Documentation			
21.	Once all of the data has been collected, observed and accepted by the operator/owner it should be downloaded into files, in accordance with the following: <ul style="list-style-type: none"> • One file per test • File name to include (in order and with spaces between each component): <ul style="list-style-type: none"> ○ Vehicle registration number ○ Fertilizer product used (eg. MAP, DAP, urea, SSP, lime) ○ Accu-Spread certificate number. 	Yes	No
22.	Once payment has been received for the tests, the results should be sent by email to the Fertcare Customer Service Manager, in accordance with the following: <ul style="list-style-type: none"> • Within 14 days of payment • One email per machine, with the subject name of the email identifying the name of the client (business or owner), certificate number and year (eg. Smith312.2009) • The covering email should include in the text: <ul style="list-style-type: none"> ○ Full name of the operator ○ Company or business name ○ Full postal address. 	Yes	No

Payment			
23.	<p>The costs associated with testing have been set by the Fertcare Management Committee and are detailed in the Fertcare Admin <i>Accu-Spread Process</i> document.</p> <p>The Fertcare Customer Service Manager raises an invoice and the tester then arranges payment.</p>	Yes	No