

**SEED TESTING SERVICE**



**Williames**

Leading by Innovation



**GEOFF WILLIAMES, FOUNDER, WILLIAMES P/L TESTING AN IRREGULAR-SHAPED SEED USING A VOLCANO NEEDLE DRUM: IT WORKED FIRST SEED, FIRST RUN!**

**Williames Pty Limited**  
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## **WILLIAMES FREE SEED TESTING SERVICE**

will determine the best type of **WILLIAMES SEED DRUM** and hole size for each variety/type of seed you sow.

The seeds in the picture above from left to right: Marigold, a very unusual shaped seed; tiny Petunias are quite regular although extremely small; and Mahogany seeds are large and irregularly shaped. Both Marigold and Mahogany seeds require a Volcano Needle Seed Drum to effectively handle their irregular shape.

Volcano Needle Drum used to test an irregular triangular-shaped seed (*below*)—worked first seed, first run.

**NB:** Seeds above were photographed to scale, but image below not photographed to same scale.



## **SEND US YOUR SEED FOR TESTING. Approx. 1 cup of each variety is enough.**

1. Put each seed variety in a paper envelope, label & seal each envelope, and place inside a snap-lock plastic bag.
2. Place labelled, sealed envelopes inside an Australia Post padded bag, or if several plastic bags, inside a small Australia Post box.
3. Proper packaging protects the seeds, ensuring they will arrive dry and intact for testing.
4. Please advise us when the package/box is sent.

**N.B:** Sending live plant/seed material into Australia is subject to Australian Customs Regulations. The seed must be irradiated/sterilized prior to posting to Australia in accordance with the directives of the Australian Customs Department. You must complete all documentation required, attesting to the treatment of the seed, including the name of the registered company performing the irradiation sterilization of the seed.

## **POST TO:**

**Williames Pty Limited**  
103 Butlers Track  
Warragul Victoria 3820  
Australia



## RECOMMENDED HOLE SIZES FOR VARIOUS SEED TYPES

Ageratum	.010"	Lettuce [raw]	.010" / .015"
Alyssum	.010" / .015"	Lettuce [coated]	.040"
Aster	.015" / .022"	Lobelia 2 – 6 seeds per cell	.010"
Balsam	.015" / .022"	Lupin	.022"
Basil	.010" / .015"	Mahogany	.070"
Begonia (pelleted)	.015"	Marigold	.015" / .030"
Beetroot	.022" / .030"	Nemesia	.010"
Broccoli	.015" / .022"	Onion 5 – 6 seeds per cell	.022" / .030"
Brussel Sprouts	.022"	Pansy	.010" / .015"
Cabbage	.015" / .022"	Parsley	.015" / .022"
Calendula	.030"	Pepper Gum	.022"
Campanula	.010"	Petunia	.007" / .010"
Capsicum	.015" / .022"	Phlox	.015"
Carnation	.015"	Portulaca	.010"
Cauliflower	.015"	Polyanthus	.010"
Celosia	.010" / .015"	Poppy	.010"
Celery	.010" / .015"	Portulaca	.010"
Chive	.015" / .030"	Primula	.010"
Chrysanthemum	.010" / .015"	Pumpkin	.080"
Cineraria	.010"	Ranunculus	.015" / .022"
Cockscomb	.010" / .015"	Salvia	.015" / .022"
Coleus	.010"	Schizanthus	.010"
Corn	.080"	Silver Beet	.022" / .030"
Cornflower	.022"	Snow Pea	.022" / .030"
Cosmos	.015" / .022"	Statice	.015"
Cucumber	.022" / .050"	Snap Dragon	.010"
Dahlia	.022"	Spring Onion 5 – 6 seeds	.022" / .030"
Delphinium	.015"	Stock	.010" / .015"
Dianthus	.015"	Sweet Pea	.050"
Egg Plant	.015" / .022"	Sweet William	.010" / .015"
English Daisy	.010"	Tomato Raw	.018" / .022"
Foxglove	.010"	Verbena	.022"
Geranium	.015"	Viola	.010" / .015"
Holly hock	.022"	Zinnia	.010" / .015"
Impatiens	.010"		





## WILLIAMES ROTARY SEEDER TEST FOR ANY



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VARIETY OF SEED	SEEDS PER POUND	SEED TYPE	SEED DRUM TYPE	TRAY CELL N°	Vacuum (KPE) HG	CLEANER (PSI)	HOLE SIZE (Thou)	SINGULAT OR 1 (PSI)	SINGULAT OR 2 (A) (PSI)	SINGULAT OR 3 (PSI)	SINGULAT OR 4 (B) (PSI)	SINGULAT OR 5 (PSI)	% OF SINGLE SEEDS PER CELL	% OF DOUBLE SEEDS PER CELL	% OF BLANK CELLS
TOMATO	225,058	A	TEST	TEST	14	10	.012"	3.00	2.50	2.50	3.00	0.05	100%	0	0
TOMATO		B	TEST	TEST	15	10	.012"	5.00	5.00	5.00	5.00	5.00	99%	0	1
TOMATO	248,142	B	TEST	TEST	15	15	.012"	4.25	4.25	4.00	3.80	3.00	100%	0	0
TOMATO	202,129	C	TEST	TEST	15	15	.015"	3.00	3.00	3.00	3.00	3.00	99%	1	0
TOMATO		C	TEST	TEST	15	15	.015"	3.50	3.50	2.80	2.10	2.00	98%	1	1
TOMATO		C	TEST	TEST	15	15	.015"	3.00	3.00	2.80	2.10	1.75	97%	2	1
TOMATO	187,981	D	TEST	TEST	15	15	.018"	2.90	2.50	2.70	2.00	1.75	97%	2	1
TOMATO	149,000	E	TEST	TEST	15	15	.018"	4.10	4.10	4.10	2.00	1.75	98%	2	0
TOMATO	127,379	F	TEST	TEST	15	15	.022"	3.00	2.00	2.00	2.00	1.25	94%	6	0
PELLETS	13,373	G	TEST	TEST	15	15	.030"	2.00	2.00	2.00	2.00	1.00	100%	0	0
		H	TEST	TEST	15	15	.025"	4.00	4.00	4.00	3.00	2.00	97%	3	0
		H	TEST	TEST	15	15	.025"	4.00	4.00	4.00	4.00	3.00	98%	2	0
		H	TEST	TEST	15	15	.025"	5.00	5.00	5.00	5.00	3.25	99%	1	0
		H	TEST	TEST	15	15	.025"	5.25	5.30	5.25	5.00	4.00	99%	0	1
PEPPERS	61,462	H	TEST	TEST	15	15	.022"	2.50	2.50	2.80	2.00	1.50	100%	0	0