



PROMOTOR PREMIUM

UNRIVALLED PRIMING FOR TOMATO



- Quickest and most uniform germination and emergence
- Suited for seed of all tomato cultivars
- Minimal risk of blind plants
- Highly suitable for combination with X-ray technology



incotec

the seed enhancement company

Part of Croda International Plc



Promotor Premium Tomato

Uniformity and speed of germination/emergence are important parameters for plant raisers. Certainty allows accurate planning of tomato plant production and synchronization of the young plants with rootstock plants. A reliable and effective priming enables plant raisers to grow their plants more effectively.

Incotec's primings have earned a robust reputation for their advanced capabilities in many different crops, including tomato. Promotor Premium goes a step further. This brand-new priming delivers superior speed of germination, emergence and a high level of uniformity. This priming is best-in-class.

We tested 15 seed lots, of 12 different cultivars in a wide range of qualities and germination properties. Leading tomato breeding companies in the Netherlands, Italy, Spain and Israel participated. All varieties were tested in the lab (20/30°C) and the greenhouse (22°C) on germination, usable transplants, germination rate, mean germination time, T_{50} (=time at which 50% of the final germination was reached), uniformity ($T_{90}-T_{10}$) and blind plants. The germination curves in figures 1 and 2 show germination in time from testing in both lab and greenhouse. The results show clearly that seeds primed with Promotor Premium are faster for both germination and emergence.

Fig.1. Germination curve (Lab) N = 15

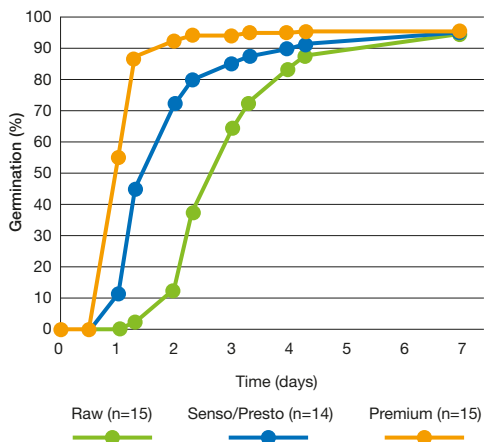
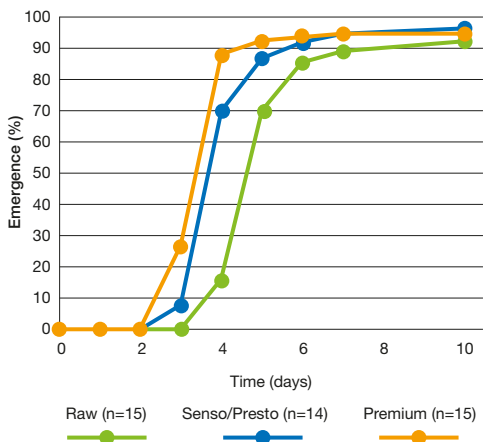


Fig.2. Emergence curve (Greenhouse) N = 15



From figures 1 and 2 it can also be seen that germination of seed primed by Promotor Premium is more uniform. In table 1 this is quantified by $T_{90}-T_{10}$ (the time period between 10 and 90%). The shorter this period, the more uniform the germination/emergence of the seed. Promotor Premium gets the most out of a seed lot and takes 1.6 days less in the lab and 0.7 days less in the greenhouse, compared to raw seed. Uniformity is therefore the highest for seeds with a Promotor Premium priming.

Table 1. Uniformity ($T_{90} - T_{10}$) of raw and primed seed in lab and greenhouse.

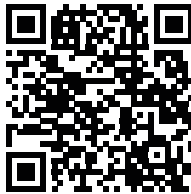
	Uniformity ($T_{90} - T_{10}$) (days)	
	Lab	Greenhouse
Premium	0.7	1.6
Senso/Presto	2.1	2.0
Raw	2.3	2.3

Promotor Premium also leads to the highest number of usable transplants under greenhouse conditions, compared to Promotor Presto/Senso and raw seed. Another important result is that there was no increase whatsoever of blind plants in any of the 15 seed lots tested.

Unrivalled germination speed and uniformity

Promotor Premium Tomato enables seed to germinate in the quickest and most uniform way. It delivers even more value to your genetics and provides additional benefits for your customers. Your seed will demonstrate its value through each stage of the process, all the way to production.

Would you like to see Promotor Premium Tomato at work? Scan the QR code with your smartphone scanner app and check our YouTube channel.



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- Can be combined perfectly with X-ray technology

Interested in this product?

Want to make an appointment with a local account manager?

Contact us at general@incotec.com

For more information see www.incotec.com/productfinder



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