



Coating Polymer



Rhino offers a customized range of seed coating materials in both liquid and powder form. These can be used in standard film coating, encrusting and pelleting application methods. Different polymer systems, fine-tuned to your needs and adapted for your seeds. Growth promoting molecules specially designed to maximize the benefits for your growers. From ready to use products (high end, agro, shiny, pearl, basic, high coverage...) to all basic ingredients (binder/polymer, fillers, color pigments, de-foaming agent, emulsifiers).

An all-in-one polymer formulation which gives a bright shiny finish on coated seeds. Can be used for film coating or as a finishing product. It has the binder, color and finishing product all built-in to a water-based formulation. We are available to assist you in fine-tuning your recipes as well as help you in the supply of necessary consumables.

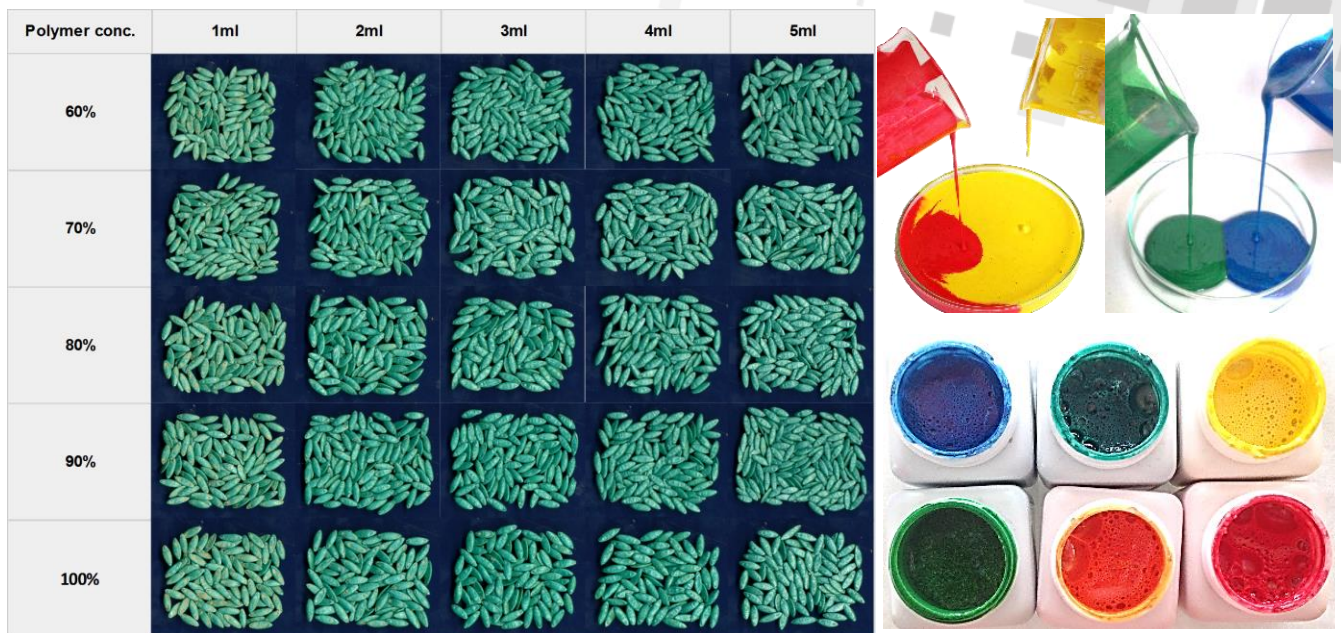


Option

- Seed Coating Polymer: The users of seed coating polymer expanded to include differentiation between seed lot, or seed companies, improved distribution of active ingredients and better flow-ability.
- Custom Polymer: We are able to offer you a customized formulation that suit your needs. Whether it's a particular color match, or looking at the problems encountered when developing a receipt for new application, because we manufacture the polymers, we can control all the different aspects that key to your specific needs.

Features and Benefits

- Custom colors available
- No effect to seed properties and germination rate.
- Adding other additives ; growth promoters, technical marker and tracers.
- Non hazardous.
- Easily mixed with water.
- Excellent adherence to seed coating materials.
- Wide variety of color available.
- The best quality/price ratio.



Coating Array is an essential part in developing a coating recipe. For decision makers factual information on quality and price, and between added seed moisture content and visual aspects.

Technical Data

Polymer conc.		1 ml	2 ml	3 ml	4 ml	5 ml
60%	Coating recovery (%)	38.4	70.8	88.9	96.9	99.7
	StDev	0.5	0.9	4.3	2.2	0.1
	Total germ. (%)	99	99.5	100	99	99
	MGT (day)	3.2	3.3	3.2	3.3	3.3
70%	Coating recovery (%)	53.3	76.9	88.3	98.1	99.6
	StDev	5	1.2	3.8	0.6	0.4
	Total germ. (%)	99	100	99	99	99
	MGT (day)	3.3	3.4	3.3	3.3	3.3
80%	Coating recovery (%)	59.2	78.7	89.3	96	99
	StDev	2	1.9	1	0.6	0.6
	Total germ. (%)	100	99.5	100	99.5	99.5
	MGT (day)	3.1	3.1	3.1	3.3	3.2
90%	Coating recovery (%)	60.6	81.3	88	94.6	98.8
	StDev	2.8	2.8	0.4	2.4	0.4
	Total germ. (%)	99	98	99.5	99.5	99.5
	MGT (day)	3.1	3.4	3.3	3.3	3.3
100%	Coating recovery (%)	54.7	74	81.7	87.2	95.2
	StDev	1.3	0.2	0.3	0.6	0.6
	Total germ. (%)	98	99.5	99.5	98	100
	MGT (day)	3.3	3.1	3.2	3.1	3.1

StDev : Standard deviation MGT : Mean Germination Time

For further questions, please do not hesitate to contact us

Rhino

5/39-40 Phaholyothin Road Soi 73, Sanambin,
Don Mueng 10210 Bangkok, Thailand
Office: +66(0)2-531-2570
Email: info@rhino-research.com

www.rhino-research.com
www.dryingbeads.org

