



Comparitive Germination Trial: Summary



ENCAP® Lawn Starter™ Pro and Slope Keeper™ Germination Rates Surpass PennMulch® and Seed Aide® Germination Rates

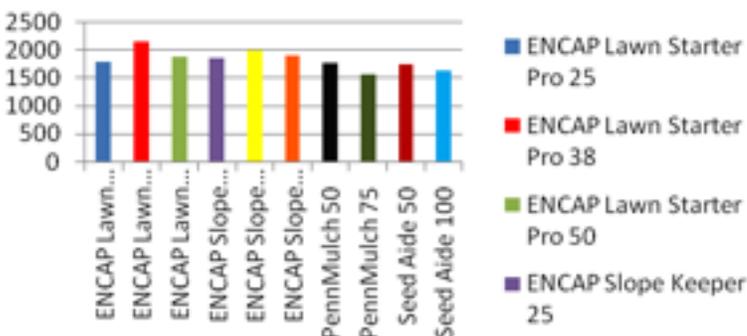
For many years, ENCAP® has worked closely with both faculty and students at the University of Wisconsin-Green Bay (UWGB) to independently verify results that are obtained from laboratory testing of its new and existing products. This extensive laboratory testing is completed to not only improve existing ENCAP® products, but also

to develop new products that can provide additional solutions to the lawn care and erosion control industry. As an example, ENCAP®'s Lawn Starter™ Pro and ENCAP®'s Slope Keeper™ are designed to keep seed, soil and fertilizer where you put them, improving grass germination and establishment. Other mulch brands claim to do the same but fall short when compared to ENCAP®'s products.



A recently completed study, conducted at ENCAP® (growth chamber pictured above) compared the grass germination rates of ENCAP®'s Lawn Starter™ Pro and ENCAP®'s Slope Keeper™ with the grass germination rates of PennMulch Seed Accelerator® and Seed Aide® at different application rates. ENCAP®'s "Northern Mixture" was applied on all trays at a rate of 4 lbs/1,000 sq. ft. Grass seedlings were counted to compare growth rates between mulch types and application rates. The results of the study showed that ENCAP®'s Lawn Starter™ Pro and ENCAP®'s Slope Keeper™ out performed PennMulch® and Seed Aide® at all application rates.

Average Sprout Count per Mulch Application on Day 16



These results show that less ENCAP® product can be used while still achieving a higher germination rate.

Grass seedlings emerged at the same time across all products and application rates (about 5 days) but ENCAP®'s products had more grass seedlings than PennMulch® and Seed Aide®.

Benefits of ENCAP® Lawn Starter™ Pro

ENCAP®'s Lawn Starter™ Pro applied at 38 lbs/1,000 sq. ft. had 38% more grass seedlings than PennMulch® applied at 75 lbs/1,000 sq ft and Lawn Starter™ Pro applied at 38 lbs/1,000 sq. ft. had 31% more grass seedlings than Seed Aide® applied at 100 lbs/1,000 sq. ft.

Benefits of ENCAP® Slope Keeper™

ENCAP®'s Slope Keeper™ applied at 38 lbs/1,000 sq. ft. had 28% more grass seedlings than PennMulch® applied at 75 lbs/1,000 sq. ft. and Slope Keeper™ had 21% more grass seedlings than Seed Aide® applied at 100 lbs/1,000 sq. ft.

Facility:	Growth Chamber at ENCAP® - Green Bay, WI
Project Description:	Germination rates of Lawn Starter™ Pro, Slope Keeper™, PennMulch®, and Seed Aide® were compared
Products:	ENCAP® Lawn Starter™ Pro, ENCAP® Slope Keeper™, PennMulch®, and Seed Aide®
Application Rates:	Lawn Starter™ Pro at 25, 38, and 50 lbs/1,000 sq ft Slope Keeper™ at 25, 38, and 50 lbs/1,000 sq ft PennMulch® at 50 and 75 lbs/1,000 sq. ft. Seed Aide® at 50 and 100 lbs/1,000 sq. ft.
Project Results:	In this trial, Lawn Starter™ Pro and Slope Keeper™ germination rates surpassed PennMulch® and Seed Aide® at all application rates

*Slope Keeper™ originally tested under the name "PAM-12® Plus."



ENCAP®'s Lawn Starter™ Pro 16 days after planting



ENCAP®'s Slope Keeper™ 16 days after planting.

PennMulch® and PennMulch Seed Accelerator® are registered trademarks of Lebanon Seaboard Corporation.
Seed Aide® is a registered trademark of Terra-Mulch Products, LLC.