

0.12% lipids, 6.8% starch, 3.9% starch, and 1.15% protein.³³ Seeds contains 14% crude protein, 18% soluble nonnitrogenous substances, and 0.11 to 0.22% combined formaldehyde.¹ The root contains *circa* 18% starch.¹

Toxicity — Cycasin is carcinogenic if orally administered to rats and pigs. With cattle neurotoxic effects are obvious. Other toxic symptoms include anemia, depression, diarrhea, jaundice, gastroenteritis, hemorrhage, nausea, coma, partial paralysis, and possibly death.^{33,56} Apparently it is mutagenic to onion root tip cells.³³ Frequent use of the starch is suspected to cause cancer and hepatitis.⁵⁶