

# Nematode management in peanut

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1. Peanut root-knot and sting are the main nematode concerns in peanut
2. Resistant cultivars, nematicide application and crop rotation are the main methods for managing plant-parasitic nematodes in peanut

Table 1. Root-knot nematode resistant runner peanuts<sup>a</sup>

Cultivar	2024 Availability	Other notes
TifNV-HG	Greatest supply	Higher grading TifNV, less disease tolerance
TifNV-HighO/L	Available, less than HG	Prior most common resistant cultivar
Georgia-22MPR	Very limited	Multiple pest resistance (TSW, leafhopper, etc.)
Georgia-14N	Very limited	Less disease tolerance than 22MPR
ACI-N104	Increase	Private company, intermediate resistance
Georgia-23RKN	increase	Normal oleic, TSW tolerant
<sup>A</sup> Virginia and Spanish type resistant peanuts also available (TifJumbo, GA-19HP; GA-SP/RKN)		

3. Cultivars with a high level of resistance to root-knot nematode are available (Table 1)
4. Nematicides are typically less effective than resistance under high root-knot pressure

Table 2. Conventional nematicides labelled for peanut (*restricted use in italics*)

Trade name	Active ingredient	Rate/acre	Timing	Type
Telone II	1,3-D	12 gal. (3-6 typical)	Preplant	Fumigant
AgLogic 15GG	aldicarb	7 lb	In-furrow	Granular
Vydate C-LV & generics	oxamyl	68 fl. oz in-furrow 17 fl. oz foliar	In-furrow or At pegging	Liquid
Velum	Fluopyram	6.84 fl. oz	In-furrow	Liquid
Propulse	Fluopyram+ Prothioconazole	13.6 fl. oz	At pegging	Liquid
<sup>A</sup> Virginia and Spanish type resistant peanuts also available (TifJumbo, GA-19HP; GA-SP/RKN)				

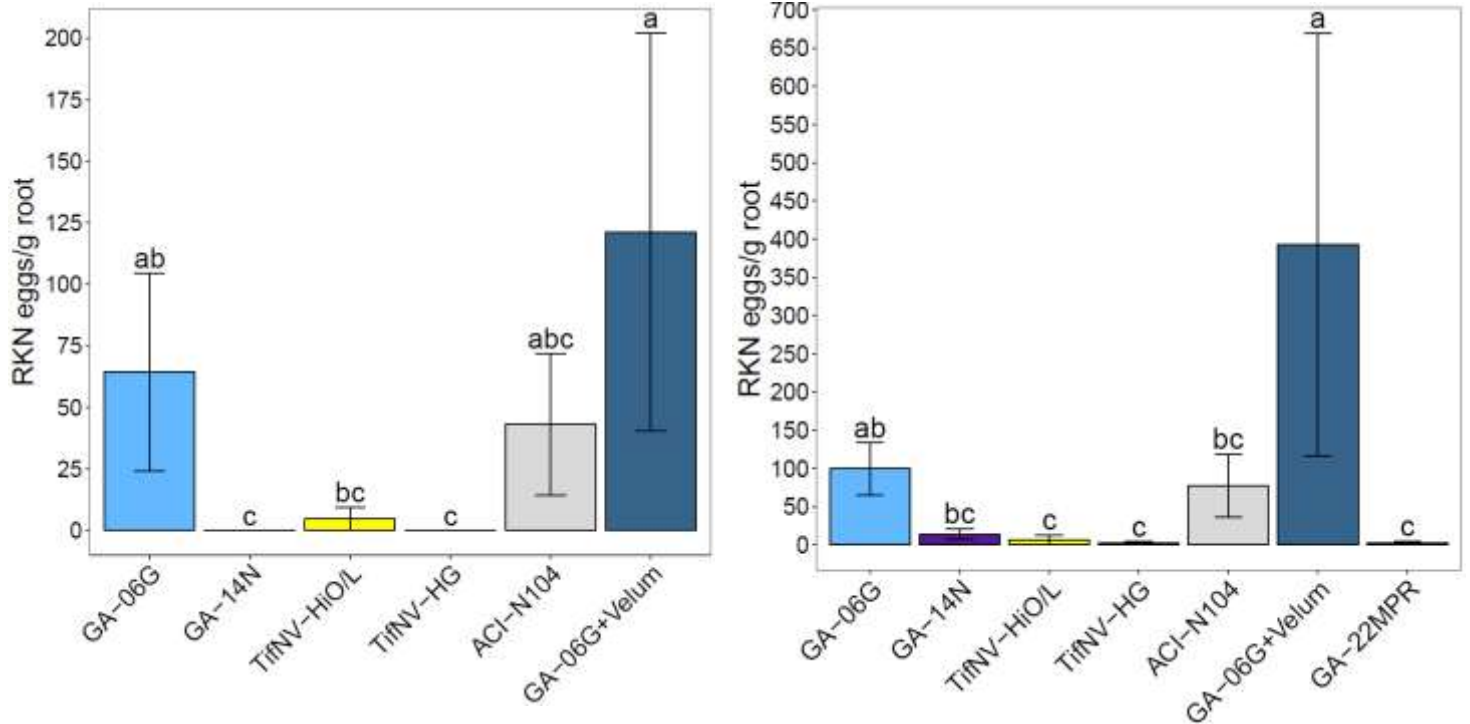


Figure 1. Resistant cultivars (GA-14N, TifNV-HiO/L, TifNV-HG, and GA-22MPR) had very little root-knot infection at midseason in replicated field trials at WFREC in 2023 (left) and 2024 (right). ACI-N104 was intermediate

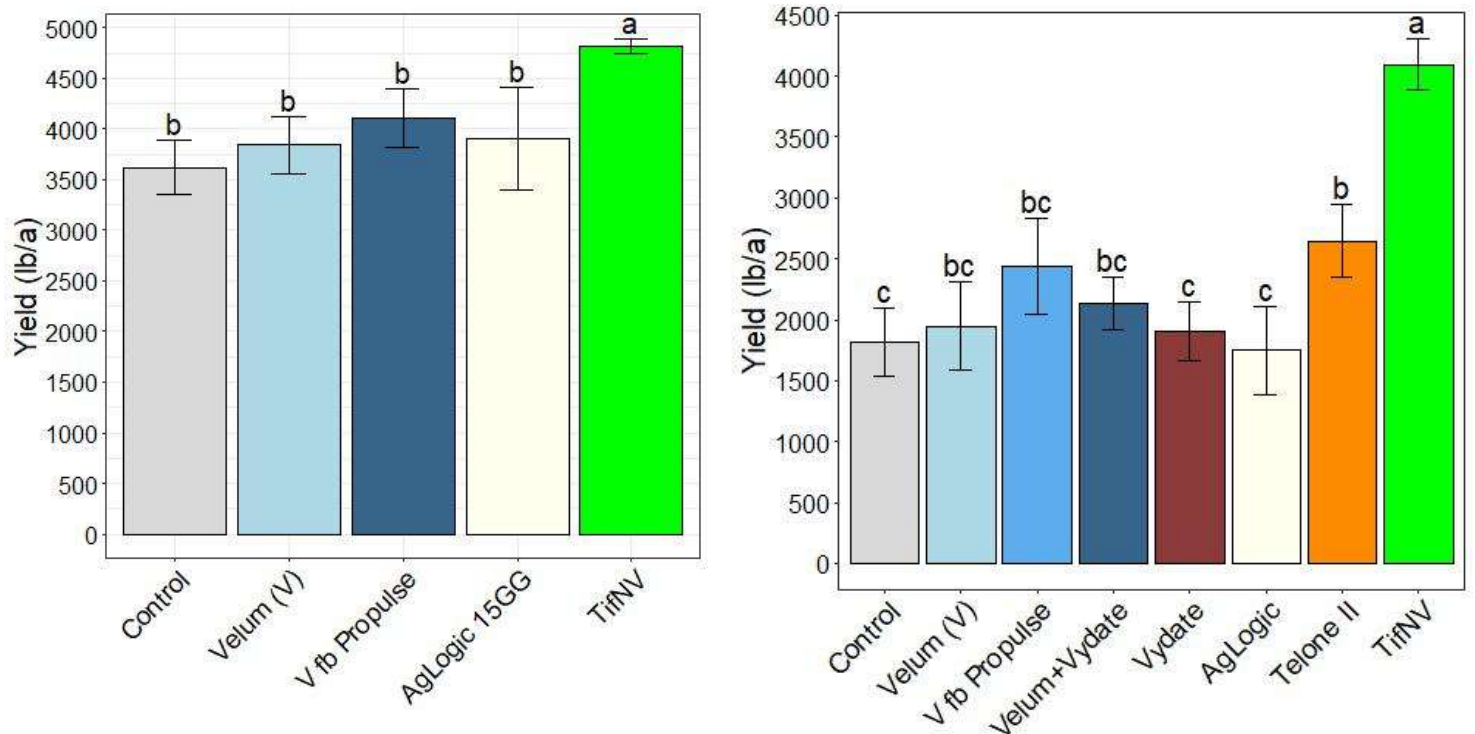


Figure 2. TifNV-HighO/L resistant cultivar increased yields relative to untreated in 2021 (left) and 2022 (right) replicated field trials at Live Oak