

Pesticide industry advocates will talk with you about how useful pesticides are, and may make claims about their safety when used according to the label. They will not tell you about the unidentified ingredients in these pesticides, which are also chemically active ingredients, can also be toxic and may include PFAS.

Pesticide “active ingredients” are tested for EPA *before* the other ingredients are added to the pesticide product. The whole mixture of ingredients is *not* tested, so *there is no way of knowing the real toxicity of a pesticide product.*

Here is a chart showing the proportion of UNIDENTIFIED ingredients in selected neonicotinoid (neonic) pesticides. I looked at the safety data sheets for the trade names, and found the results below. These unidentified ingredients are also chemically active in the pesticide formulation. Note the numbers in **bold**.

<https://www.lsuagcenter.com/NR/rdonlyres/26645626-AEDC-4CAB-B8C1-E96E6CEE7192/95140/46TradeNamesUsedinGuide2014.pdf>

SAMPLING OF NEONICS USED IN VERMONT OR ON SEEDS

ACTIVE INGREDIENT	TRADE NAME	% KNOWN	% UNKNOWN	PRODUCER	LBS. USAGE IN 2021	NOTES
ACETAMIPRID	Retriever Direct-Inject	8.5	91.5	Arbor Systems	7.4	Used with injection system
	Assail 30 SG	30	70	United Phosphorus, Inc.		Seed treatment?
CLOTHIANIDIN	Arena 50 WDG	50	50	NuFarm/Valent		Allowed as seed treatment
FIPRONIL	Ceasefire	0.00015	99.99985	Bayer Crop Science		
				Aventis		
IMIDACLOPRID	Gaicho	48.7	51.3	Bayer Crop Science	915.5 lbs active ingredient	Used as seed treatment out-of-state; not counted in VT statistics
THIAMETHOXAM	Meridian	0.33	99.67	Syngenta	4.4 lbs active ingredient	Also used as seed treatment
	ACTARA	25	75	Syngenta		
	Platinum 75 SG	75	25	Syngenta		
	Cruiser FS	25-30	70-75	Syngenta		Used as seed treatment: very toxic to aquatic life