



Soil fumigation updates

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Nursery Soil Fumigant Usage – 2015-18

Time of Fumigation	2018 Data	2017 Data	2016 Data	2015 Data
Fall	23 nurseries	20 nurseries	14 nurseries	25 nurseries
Spring	9 nurseries	6 nurseries	9 nurseries	14 nurseries
Avg Acreage	20 acres	23 acres	26 acres	18 acres
Total Acreage	639 acres	461 acres	508 acres	528 acres

Fumigant MBr/Chl	2018	2017	2016	2015	Rates
98/2	0	0	1	2	300 - 400 lbs / acre
80/20	27	26	16	19	240 – 450 lbs / acre
67/33	4	3	3	5	350 - 400 lbs / acre
TriFecta / Telone / Pic +	1	1	3	13	275 – 350 lbs / acre

Plastic	2018	2017	2016	2015
TIF	87%	81%	82%	98%
HDPE	10%	6%	17%	1%
LDPE	3%	13%	1%	1%

Current Nursery AI Usage: 2013-2018

	Active Ingredient lbs/acre Southwide US				
	MBr	Chlor	DMDS	Telone	Other
2013	214	69	170	77	0
2014	234	72	162	79	340
2015	239	85	220	107	353
2016	246	89	0	15	0
2017	266	78	0	0	0
2018	258	74	0	96	0

Current Nursery Usage: 2013-201

	Total Soil Fumigant Used lbs/Year				
	MBr	Chlor	DMDS	Telone	Other
2013	118,532	36,553	1595	3180	0
2014	130,101	40,043	3363	4459	1020
2015	109,660	37,776	2200	6003	3585
2016	124,716	44,952	0	7620	0
2017	188,755	50,054	0	0	0
2018	206,448	43,129	0	96	0

EPA / USDA / MeBTOC

- **No contacts from APHIS, USDA, EPA or MeBTOC concerning regarding pre-shipment and quarantine (QPS) or any other soil fumigant.**
- **The current Administration and Cabinet Leaders will result in little to no changes in labels or Re-registration over the next two years.**
- **Quietest phone in 2 years with respect to chemistry concerns.**



So . . . For now

○ SFNMC

- Collect soil fumigant usage and soil fumigant concerns annually – Spring 2019 and Fall 2019.
- Compile and respond to requests from EPA as they appear on Federal Register.
- Federal Register Schedule for RED's – way behind.
- Keep Advisory group informed.

Triadimefon - Bayleton

- **2016 Bayer CropScience requested a voluntary cancellation to EPA that the label for triadimefon be pulled from the market.**
- **30-day comment period if users were to be affected.**
- **Discontinuing the production Bayleton on a global level that would cease its production by Bayer at the end of 2020.**
- **Significant costs associated with generating data required by EPA for Registration Review and significant capital investment required to upgrade our manufacturing facility to continue production of this molecule.**
- **There is a possibility that a 3rd party would pick up the registration/production of triadimefon but, based on the better environmental impacts of newer generation DMI fungicides, doubtful that someone would pick up the costs.**
- **Bayer will no longer be authorized to produce or sell Triadimefon-based products after December 31, 2020. Time frame in which Distributors can distribute and End Users can apply the product differs by state.**
- **Bayer CropScience can advocate within company to keep the federal registration active to prolong the use of the product to stockpile Bayleton for use past 2020. Would be up to the states to allow its continued use.**
- **Bayer is working diligently to close the gap created by the exit of Triadimefon through development and commercialization of new solutions designed to meet disease management needs.**

Fusiform Rust Control

- **Continue to use tridimefon, as a seed treatment. Lower costs per a.i.**
- **Use Proline as a foliar spray.**
- **Currently testing two new rust fungi in the field. Two years of good results when challenged with basidiospores in the greenhouse, both are labeled for use in nurseries.**
- **Currently testing two new rust fungi at the Rust Screening Laboratory in Asheville, NC.**
- **Possible that nurseries will have new rust control chemistries in 2021.**