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NEMATODE ANALYSIS REPORT

PRODUCER INFORMATION	CROP INFORMATION		SAMPLE INFORMATION	
	Crop / Cultivar		LAB NO: S386/0452-0454/2016	
	Rootstock		Sampled by	
	Plant age		Date sampled	
	Water source	-	Date received	
	ENRICHMENT TYPE		Analysis	
			Result	

BLOCK NO: Pivot 1	LAB NO: S386/0452/2016

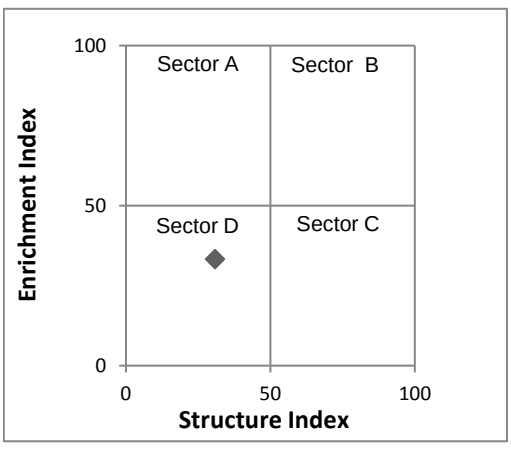
NEMATODE BIO-INDICATORS

TROPHIC GROUPS	NO	%
Plant parasites	60	12,50
Bacterial feeders	180	37,50
Fungal feeders	180	37,50
Omnivores	40	8,33
Predators	0	0,00
Root hair feeders	20	4,17
TOTAL	**480**	100

ECOLOGICAL INDICES		
Index	**Value**	**Explanation**
Structure Index (SI)	30,77	Few/no trophic linkages (0% = none).
Enrichment Index (EI)	33,33	Insufficient enrichment.
Channel Index (CI)	100,00	Decomposition channel is fungal.
Basal Index (BI)	51,43	System busy recovering from stress.
Fungivore : Bacterivore Index (FB)	0,50	Average rate of decomposition and nutrient turnover.

SEE LEGEND ON PAGE 4

FAUNAL PROFILE



SECTOR LEGEND					
General Diagnosis	**Food Chain**	**Enrichment**	**C:N Ratio**	**Decom-position Channels**	**Disease Prevalence**
Sector A	Disturbed	N-enriched	Low C:N	Bacterial	Conducive
Sector B	Maturing	N-enriched	Low C:N	Bacterial	Regulated
Sector C	Matured	Fertile	Mod C:N	Bacterial/ Fungal	Suppressive
Sector D	Degraded	Depleted	High C:N	Fungal	Conducive

ADVIES IS ONDERHEWIG AAN DIE VOORWAARDE DAT DIE KORREKTE MONSTERNEMINGSPROSEDURE GEVOLG WORD

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ECOLOGICAL INDICES LEGEND	
Enrichment Index (EI)	Measure of the resources available to the nematodes. Also a measure of decomposition of enrichment (e.g. compost). The aim is 50%.
Structure Index (SI)	Suggests more trophic linkages in the soil food web. The aim is 100%.
Channel Index (CI)	For annuals the aim is less than 50% = bacterial pathway For perennials the aim is greater than 50% = fungal pathway
Basal Index (BI)	Enumerates the predominance of nematode groups that are tolerant to disturbance and indicates stressed and depleted soil food webs. The aim is 0%.
Fungivore:Bacterivore Index (FBI)	Ratio that describes the decomposition pathway in the detritus food web.

ADVIES IS ONDERHEWIG AAN DIE VOORWAARDE DAT DIE KORREKTE MONSTERNEMINGSPROSEDURE GEVOLG WORD