

Sensitive Site Selection Worksheet / Environmental Monitoring						
	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
Adverse effects potential						
Description of site						
Select score from Table 1						
Potential for exposure (NA= not applicable)						
Distance from field to site						
4 = 0-99 feet 3 = 100-249 feet 2 = 250-499 feet 1 = 500-999 feet 0 = More than 1000 feet or NA						
Prevailing Winds						
1 = Generally towards site 0 = Generally not towards site or NA						
Soil type						
2 = Relatively non-porous (clay) 1 = Moderately (loamy) 0 = Highly porous (sandy) or NA						
Slope						
1 = Generally down towards site 0 = Generally not towards site or NA						
Natural or manmade barrier present						
1 = No 0 = Yes or NA						
Risk Assessment Score (Column totals)						

Risk Assessment
9 to 12 = High Risk
5 to 8 = Moderate Risk
1 to 4 = Low Risk

Environmental Monitoring Strategy
Monitoring highly recommended
Monitoring recommended
Monitor if time and resources permit

Refer to the your program's Environmental Monitoring Plan or contact the USDA-APHIS Environmental Monitoring Team at 301-851-2351 or -2345 for information on the use of this form. Please photocopy this form as needed.

Example

In this example a geographically large area is under treatment by aerial and ground applied malathion. The program manager has identified many sensitive sites based on the definition in the USDA-APHIS Environmental Monitoring Plan. The program feels that existing environmental monitoring staff cannot effectively sample all sites during program operations. An inventory of sites has been completed:

EM staff visited and evaluated each of the sites.

The potential for adverse effects score was selected from table 1 and entered into the worksheet. Information gathered during the site survey was used to complete the rest of the worksheet. The total risk assessment score was calculated and entered in the last row of the worksheet. Table 3 provided guidance in selecting an appropriate environmental monitoring strategy for the site.

The experience and knowledge of the EM staff was also applied to select the most appropriate strategy. Five sites were used in the example. The EMC will implement the recommended environmental monitoring strategy in 4 out of the 5 areas. Although Mr. Jones residence is scored a low risk site and is over 1000ft from the treatment area, it will be monitored during each treatment. The EMC is familiar with Mr. Jones and knows he will log a compliant after every treatment anyway.

Additional worksheets were completed to characterize the environmental sampling needs in the remainder of the zone.

Sensitive Site Selection Worksheet / Environmental Monitoring					
	Site 1	Site 2	Site 3	Site 4	Site 5
Adverse effects potential					
Description of site	Methodist church	County High School	Mr Jones home, fish pond	Day care center	E&T nesting area
Select score from Table 1	2	2	3	3	3
Potential for human, environmental or non-target species exposure					
Distance from field to site					
4 = 0-99 feet					
3 = 100-249 feet					
2 = 250-499 feet					
1 = 500-999 feet					
0 = More than 1000 feet or not applicable	3	2	0	4	4
Prevailing Winds					
1 = Generally towards site					
0 = Generally not towards site or not applicable	0	1	1	0	1
0Soil type					
2 = Relatively non-porous (clay)					
1 = Moderately (loamy)					
0 = Highly porous (sandy) or not applicable	0	1	1	0	1
Slope					
1 = Generally down towards site					
0 = Generally not towards site or not applicable	0	1	1	0	0
Natural or manmade barrier present					
1 = No					
0 = Yes or not applicable	0	0	1	1	0
Risk Assessment Score (Column totals)	5	7	7	8	9

Risk Assessment
9 to 12 = High Risk
5 to 8 = Moderate Risk
1 to 4 = Low Risk

Environmental monitoring Strategy
Monitoring highly recommended
Monitoring recommended
Monitor if time and resources permit

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