TECHNICAL DATA

VectoBac® 12AS

Bacterial Larvicide

Results of Black Fly Trials with VectoBac® 12AS

BLACK FLY SPECIES	HABITAT/LOCATION	INVESTIGATOR	METHOD OF APPLICATION	RATE PPM/MIN	MEAN LARVAL MORTALITY	CARRY (MILES)
Simulium jenningsi	Susquehanna River, Allegheny River, Delaware River	D. Arbegast PA DEP Harrisburg, PA	Aerial Aerial Aerial	11.5 11.5 11.5	95% 90% 98%	0.3–2.0 mi 1.0 mi 1.0 mi
S. jenningsi	Yellow Breeches Creek	D. Orr PA DEP Harrisburg, PA	Ground	10.0	95%	1.5–2.5 mi
S. confusum *S. tuberosum*	Duncan Creek	E. Gray Clemson University Clemson, SC	Ground	25.0	93%	2.3 mi
S. jenningsi	Tyger River		Ground	10.0	91%	5.8 mi
S. jenningsi	New River	J. Smithson WV DEP St. Albans, WV	Aerial	11.0	90%	0.5–1.0 mi
S. vittatum	Jordan River	K. Minson Salt Lake City, UT	Ground	25.0	93%	0.5–1.0 mi

Results of Mosquito with VectoBac 12AS

MOSQUITO SPECIES	HABITAT	INVESTIGATOR	METHOD OF APPLICATION	RATE PTS/AC (L/HA)	MEAN LARVAL MORTALITY
Aedes vexans	Floodwater	G. Benzon Cape May County, NJ	Ground	0.5 (0.6)	98-100% 48 hrs
Ochlerotatus taeniorhynchus	Ponds	G. Scott U of S.C. McClellanville, SC	Ground	0.5 (0.6)	100% 24 hrs
Psorophora columbiae	Rice	M.Meisch Fayetteville, AR	Ground	0.5 (0.6)	100% 24 hrs
Culiseta inornata	Brackish	R. Garcia Alameda County, CA	Ground	0.5 (0.6)	96% 48 hrs
Culex tarsalis *Anopheles freeborni*	Rice fields	R. Garcia Yuba County, CA	Air	2.3 oz (0.15)	96% 48 hrs
Ochlerotatus sollicitans	Salt marsh	C. Lesser Somerset County, MD	Ground	0.5–1.0 (0.6–1.2)	96% 48 hrs
Ochlerotatus sollicitans	Salt marsh	C. Lesser Dorchester County, MD	Air	0.5–1.0 (0.6–1.2)	95-98% 48 hrs
Ochlerotatus taeniorhynchus	Mangrove	R. Parsons Sarasota County, MCD Marathon, FL	Air	2.0 (2.4)	98-100% 24 hrs
Ochlerotatus spp.	Pasture	A. Inman	Air-ULV	1.5 (1.8)	100%