

Determination of NEPA Adequacy (DNA)

U.S. Department of the Interior
Bureau of Land Management

OFFICE: Eugene District, Oregon

TRACKING NUMBER: NA

CASEFILE/PROJECT NUMBER: 1790A-DOI-BLM-ORE000-2012-0003-DNA

PROPOSED ACTION TITLE/TYPE: Travis Tyrrell Seed Orchard Calendar Year 2012 Integrated Pest Management Program

LOCATION/LEGAL DESCRIPTION: Tyrrell Seed Orchard; T.20 S., R. 5 W., Sections 9, 15, 21

APPLICANT (if any): NA

A. Description of the Proposed Action and any applicable mitigation measures

The proposed action is to implement integrated pest management (IPM) activities within the 832.5 acre seed orchard boundary in calendar year 2012. The proposed action includes items such as insecticide and herbicide applications, planting, tilling, pruning, dead and dying tree removal, pile burning, stump grinding, mowing, fertilization, thinning and cone collection.

Numerous limitations were designed by the interdisciplinary team for the Final Environmental Impact Statement, Integrated Pest Management, Travis Tyrrell Seed Orchard, Lorane, Lane County, Oregon; June 2005 (IPM EIS) to address predicted risks, respond to scoping concerns, and provide additional environmental protection. Limitations include the terms and conditions specified by the National Marine Fisheries Service (NMFS) during Endangered Species Act (ESA, 16 U.S.C. §1531 et seq.) consultations; these requirements are inherent in the Selected Alternative (IPM EIS, pp. 2-15 to 2-26).

Protection measures (Best Management Practices), including those for water quality protection under the Clean Water Act (33 U.S.C. §1251 et seq.), will be implemented during any use of chemicals (IPM EIS, pp. 2-12 to 2-15).

The only mitigation measure associated with the Selected Alternative addresses the potential for sublethal effects to special status species from maximum scenario applications of pyrethroid insecticides (esfenvalerate). The proposed application of esfenvalerate in 2012 falls within the typical application scenario and not the maximum application scenario (IPM EIS, pp. 2-38 to 2-46).

B. Land Use Plan (LUP) Conformance	
LUP Name: Eugene District Record of Decision and Resource Management Plan	Date Approved: June 1995
Other document : The Record of Decision, Integrated Pest Management, Travis Tyrrell Seed Orchard, Lorane, Lane County, Oregon (IMP ROD)	Date Approved: February 2006

The Eugene District initiated planning and design for this project to conform and be consistent with the Eugene District's 1995 RMP. Following the March 31, 2011 decision by the United States District Court for the District of Columbia in Douglas Timber Operators et al. v. Salazar, which vacated and remanded the administrative withdrawal of the Eugene District's 2008 ROD and RMP, we evaluated this project for consistency with both the 1995 RMP and the 2008 ROD and RMP. Based upon this review, the proposed action is clearly consistent with the goals and objectives in the 2008 ROD and RMP. Accordingly, this project is consistent with the Eugene District's 1995 RMP and the 2008 ROD/RMP.

The proposed action is in conformance with the applicable LUP because it is specifically provided for in the following LUP decisions:

- The Eugene District Record of Decision and Resource Management Plan calls for providing improved planting stock on a portion of harvested acres. It also directs seed orchards to be maintained and managed to produce seed as needed for ecosystem management projects (p.263).
- The Integrated Pest Management (IPM) ROD, February 2006, addresses the need to manage insect, weed, animal and disease problems at the seed orchard using an IPM program with environmental protection emphasis.

The proposed action is in conformance with the LUP, even though it is not specifically provided for, because it is clearly consistent with the following LUP decisions (objectives, terms, and conditions):

- Not applicable

C. Identify applicable National Environmental Policy Act (NEPA) documents and other related documents that cover the proposed action.

List by name and date all applicable NEPA documents that cover the proposed action.

- Record of Decision, Integrated Pest Management, Travis Tyrrell Seed Orchard, Lorane, Lane County, Oregon; February 2006
- Final Environmental Impact Statement, Integrated Pest Management, Travis Tyrrell Seed Orchard, Lorane, Lane County, Oregon; June 2005 (IPM EIS)
- EA-02-015, Travis Tyrrell Seed Orchard Insect Control. Decision Record, December 20, 2002
- EA-03-018, Travis Tyrrell Seed Orchard Insect Control. Decision Record, October 9, 2003
- EA-04-017, Travis Tyrrell Seed Orchard Insect Control. Decision Record, February 3, 2005
- OR099-DNA-06-03, Travis Tyrrell Seed Orchard Insect Control. Decision Record, January 6, 2006
- OR099-DNA-07-01, Travis Tyrrell Seed Orchard Insect Control and Other Integrated Pest Management Activities. Decision Record, January 5, 2007
- OR099-DNA-08-02, Travis Tyrrell Seed Orchard Insect Control and Other Integrated Pest Management Activities. Decision Record, January 11, 2008

- OR099-DNA-09-02, Travis Tyrrell Seed Orchard Insect Control and Other Integrated Pest Management Activities. Decision Record, December 3, 2008
- Seed Orchard Recycling – Orchard Establishment Categorical Exclusion DOI-BLM-OR-E000-2009-00012-CX; August 2009
- Seed Orchard General Operation Activities Categorical Exclusion DOI-BLM-OR-E000-2010-00015-CX; March 2010
- Seed Orchard General Operation Activities Categorical Exclusion DOI-BLM-OR-E000-2011-00004-CX; February 2011

List by name and date other documentation relevant to the proposed action (e.g., biological assessment, biological opinion, watershed assessment, allotment evaluation, and monitoring report).

- 43 CFR 2300, Public Land Order 6662 (53 FR 1359)
- Right-of-Way Reservation OR-65215
- Risk Assessment of Pesticides and Fertilizers Proposed for Use at Travis Tyrrell Seed Orchard, March 18, 2002
- Programmatic Biological Assessment for Fiscal Years 2010/2013 Activities in the North Coast Province Which Might Disturb Spotted Owls or Marbled Murrelets
- USFWS Letter of Concurrence for Fiscal Years 2010/2013 Activities in the North Coast Province Which Might Disturb Spotted Owls or Marbled Murrelets (FWS Reference 13420-2009-I-0152)
- Biological Assessment, submitted to NMFS March 2, 2003, for Oregon Coast Coho salmon (proposed for ESA listing) and Essential Fish Habitat for Chinook and Coho salmon for the Proposed Integrated Pest Management Program at the Travis Tyrrell Seed Orchard
- NMFS Conference Opinion and Magnuson-Stevens Fishery Conservation and Management Act (MSA) essential fish habitat (EFH) consultation on the effects of the BLM's actions to carry out the Proposed Integrated Pest Management Program at the Travis Tyrrell Seed Orchard, issued February 9, 2005 (as amended) (NMFS No. 2004/00213)
- NMFS Adoption of January 13, 2005 (amended February 9, 2005) Conference Opinion for the Integrated Pest Management Program at the Travis Tyrrell Seed Orchard in Lane County, Oregon issued September 25, 2008 (NMFS No. 2008/02467)
- Request for reinitiation of formal consultation, submitted to NMFS August, 2009 for Oregon Coast Coho salmon (proposed for ESA listing) and Essential Fish Habitat for Chinook and Coho salmon for the Proposed Integrated Pest Management Program at the Travis Tyrrell Seed Orchard
- NMFS Letter of Concurrence, Endangered Species Act Section 7 Informal Consultation and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for the Aerial Application of Esfenvalerate as Part of the IPM Program at Travis Tyrrell Seed Orchard, Lane County, Oregon; December 1, 2009 (as amended December 23, 2009)
- Endangered Species Act Biological Opinion and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Conservation Recommendations for the IPM Program at Travis Tyrrell Seed Orchard, Lane County, Oregon; August 9, 2010 (as amended October 20, 2010)
- Tyrrell Seed Orchard Esfenvalerate Spray Project 2003 Water Quality Monitoring Report, November 2003

- Tyrrell Seed Orchard Esfenvalerate Spray 2005 Water Quality Monitoring Report, November 2005
- Annual Tyrrell Seed Orchard Water Quality Monitoring Report, Water Year 2006, November 2006
- Annual Tyrrell Seed Orchard Water Quality Monitoring Report, Water Year 2007, November 2007
- Annual Tyrrell Seed Orchard Water Quality Monitoring Report, Water Year 2008, November 2008
- Annual Tyrrell Seed Orchard Water Quality Monitoring Report, Water Year 2009, November 2009
- Annual Tyrrell Seed Orchard Water Quality Monitoring Report, Water Year 2010, November 2010
- Annual Tyrrell Seed Orchard Water Quality Monitoring Report, Water Year 2011, November 2011
- Order Amending Injunction of Herbicide Spraying on BLM Lands in Oregon, Case No. 83-cv-6272-AA, March 2011

D. NEPA Adequacy Criteria

1. Is the new proposed action a feature of, or essentially similar to, an alternative analyzed in the existing NEPA document(s)? Is the project within the same analysis area, or if the project location is different, are the geographic and resource conditions sufficiently similar to those analyzed in the existing NEPA document(s)? If there are differences, can you explain why they are not substantial?

Documentation of answer and explanation: Yes. The IPM EIS for Tyrrell Seed Orchard considered each of the proposed orchard activities for 2012 (IPM EIS, pages 2-1 to 2-11). Proposed insecticide and herbicide treatments in 2012 were analyzed in the IPM EIS and past EA's (above). Table 1 shows orchard units that were successfully sprayed in the past with esfenvalerate or treated with imidacloprid and projected 2012 insecticide and herbicide treatments. All pesticide and fertilizer use will be confined to the area within the boundaries of Tyrrell Seed Orchard as was analyzed in the IPM EIS, Table 2.2-1.

Other orchard activities such as pruning, dead and dying tree removal, pile burning, stump grinding, mowing, fertilization, thinning and cone collection will be conducted in a manner similar to those discussed (IPM EIS, pages 2-2 to 2-11). Orchard recycling/orchard establishment activities such as removal of existing orchards, roguing, land clearing, tilling, site preparation, stump grinding, pile burning, and planting were recently reviewed (Orchard Recycling/Orchard Establishment CX, pages 1-3) as well as other general seed orchard activities such as cone collection and mowing (2011 Seed Orchard General Operation Activities CX, pages 1-4 and attachments).

Table 1. Insecticide and Herbicide Treatments by Application Year

Orchard Units or Other Areas at Tyrrell Seed Orchard	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	EA-02-015	EA-03-018	EA-04-017	DNA-06-03	DNA-07-01	DNA-08-02	DNA-09-02	0001-DNA	0001-DNA	Projected DNA
Coquille 16		I		E		E		E		E
Coquille 17 High		I		E		E		E		E
Coquille 17 Low		I		E		E		E		E
Elkton										
Gold Beach 1&2		I		E		E		E		E
Gold Beach 3		I		E		E		E		E
Lorane		I			E		E		E	
McKenzie High				I		E/I		E/I	I	E
McKenzie Low			E		E		E		E	
North Umpqua 1			E		E		E		E	
North Umpqua 2			E		E		E		E	
North Umpqua 3				I		E/I		E		E
North Umpqua 4&5				I		E/I		E		E
Noti	E		E		E		E/I		E	
Powers 1					E			E		E
Powers 2					E			E		E
Riddle 1&2					E		E/I	I	E	I
Riddle 3&4					E		E		E	
South Umpqua 1			E		E		E		E	
South Umpqua 2			E		E		I	I	E	I
South Umpqua 3&4				I		I		I	I	
Swishhome/Mapleton	E		E		E		E		E	
Tyee 1					E		E		E	
Tyee 2		I			E		E		E	
Wells Creek				I					I	
Multi-species							P			
Other Areas									D,G,Pi	D,G,Pi

Insecticides: E = esfenvalerate, I = imidacloprid, P = permethrin; **Herbicides:** D = dicamba, G = glyphosate, Pi = picloram

2. Is the range of alternatives analyzed in the existing NEPA document(s) appropriate with respect to the new proposed action, given current environmental concerns, interests, and resource values?

Documentation of answer and explanation: Yes. The IPM EIS analyzed a range of alternatives given the purpose and need for the project. Five alternatives were analyzed (IPM EIS, pp:2-12 to 2-28):

1. Alternative A – Maximum Production IPM
2. Alternative B – IPM with Environmental Protection Emphasis (Selected Alternative)
3. Alternative C – Ground-Based IPM
4. Alternative D – Non-Pesticide IPM

5. Alternative E – No Action; Continue Current Management Approach

The IPM ROD selected Alternative B. An aerial application of esfenvalerate (about 28.7 acres) is proposed for insecticide treatment in 2012, about 35.9% of the typical scenario acres analyzed (IPM EIS, pages 2-39). If an aerial application is not feasible (e.g., no contractor bids), a ground application is an allowable alternative (71.8% of the typical scenario acres analyzed or 9.6% of the maximum acres analyzed, IPM EIS, pages 2-40). Imidacloprid is scheduled to be applied to about 8.2 acres in September 2012, about 54.7% of the typical scenario acres analyzed (IPM EIS, page 2-40). The herbicides dicamba, glyphosate and picloram may be applied to about 12 acres that include fence line, road prisms, fallow areas and upland buffers to control noxious weeds and unwanted vegetation, about 10% of the typical scenario acres analyzed, depending on the chemical used (IPM EIS, pages 2-42, 43, 44).

None of the proposed cultural methods are beyond the scope of that which was analyzed (IPM EIS, pages 2-9 to 2-11; Seed Orchard General Operation Activities CX, pages 1-4). Examples include control of vegetation (mowing, tilling, use of mulch mats), control of insects and diseases (pruning, thinning, vacuuming duff and litter, stump grinding, dead tree removal), control of animal pests (pruning limbs at the base of trees to discourage vole damage, installing Vexar[®] tubes, etc.), or promotion of overall tree health, cone production and disease resistance (fertilization, thinning, cone stimulation). No new environmental concerns, interests, resource values, or circumstances have been identified since the IPM EIS was published in 2005 or the General Operation Activities CX in 2011 that would indicate a need for additional alternatives.

3. Is the existing analysis valid in light of any new information or circumstances (such as, rangeland health standard assessment, recent endangered species listings, updated lists of BLM-sensitive species)? Can you reasonably conclude that new information and new circumstances would not substantially change the analysis of the new proposed action?

Documentation of answer and explanation: Yes. No new information or circumstances have arisen since the IPM EIS was published in 2005 or the General Operation Activities CX in 2011 that could affect the adequacy of the analysis. Water monitoring conducted following insecticide application in 2003, 2005, 2006, 2007, 2008, 2009, 2010, and 2011 documented that there were no detrimental effects to water quality or fish populations, as was predicted in part using the Groundwater Loading Effects of Agricultural Management System (GLEAMS) model.

NMFS issued a conference opinion on January 13, 2005, as amended on February 9, 2005, that identified conservation recommendations to protect essential fish habitat, and applicable terms and conditions should coho salmon (*Oncorhynchus kisutch*) be listed. The terms and conditions and conservation recommendations of the February 9, 2005 conference opinion were incorporated into the selected alternative analyzed in the Final IPM EIS and the decision, and will take place regardless of the species ESA listing status. The BLM reinitiated consultation with NMFS when Oregon Coast (OC) Coho salmon was listed in 2008 and requested that the February 9, 2005, conference opinion be formally adopted as a biological opinion (BO). NMFS adopted the conference opinion on September 25, 2008; which expired February 9, 2010. In August of 2009, the BLM reinitiated consultation for a new five-year consultation with NMFS. On December 1, 2009, NMFS issued a letter of concurrence (LOC), as amended on December 23, 2009, for aerial application of insecticide esfenvalerate for which the terms and conditions are still in effect. On August 9, 2010, NMFS issued a BO, as amended October 20, 2010, that concluded that the proposed action of implementing the IPM Plan

would not likely jeopardize the continued existence of Oregon Coast coho salmon nor adversely modify designated critical habitat.

U.S. Fish and Wildlife Service issued a Letter of Concurrence for Fiscal Years 2010/2013 Activities in the North Coast Province Which Might Disturb Spotted Owls or Marbled Murrelets (USFWS Reference 13420-2009-I-0152), stating that orchard disturbance may affect, but is not likely to adversely affect these species.

4. Are the direct, indirect, and cumulative effects that would result from implementation of the new proposed action similar (both quantitatively and qualitatively) to those analyzed in the existing NEPA document?

Documentation of answer and explanation: Yes, there is no change in the direct or indirect impacts for the 2012 IPM program. Overall, the IPM EIS predicted no adverse impacts to air quality (IPM EIS, page 4-3), water resources (IPM EIS, page 4-10), non-target vegetation (IPM EIS, page 4-36), geology and soils (IPM EIS, page 4-5), land use (IPM EIS, page 4-11), noise (IPM EIS, page 4-38), cultural resources (IPM EIS, page 4-39), or socioeconomics and environmental justice (IPM EIS, page 4-40) from any of the alternatives. The IPM EIS analysis included typical effects that would be expected at the site-specific level, and identified limitations and protection measures (IPM EIS, pages 2-13 to 2-26) and mitigation measures (IPM EIS, pages 4-43 to 4-44) that would be implemented as needed depending on site-specific conditions.

The direct, indirect and cumulative effects that would result from implementing the new proposed action (aerial or ground application of esfenvalerate, systemic application of imidacloprid, and ground application of dicamba, glyphosate and picloram) are the same as the effects that were analyzed and described in the IPM EIS. Potential effects to surface and ground water is expected to be minimal to negligible. Protection measures, limitations, and mitigation measures are expected to minimize potential water quality impacts from runoff and spills. No impacts to aquatic species are expected under the proposed action. As described in the IPM EIS, a quantitative non-target species risk assessment was used to determine that no lethal or sublethal risks for aquatic species would occur under “typical” water runoff conditions, or any lethal risks under “maximum” water runoff conditions. Under “maximum” scenario runoff conditions, temporary and localized risks to fish species would occur from the use of fertilizers (under maximum application rates). General orchard fertilization is not planned for 2012. As identified in the IPM EIS (Table 4. 7-3 *Risk-Responsive Limitations to Protect Ecological Resources under Alternative B*), the proposed action includes “risk-responsive limitations” to reduce or minimize these identified risks.

The impact to non-target insects may potentially be high in the spray units, but the overall effect to foraging birds and mammals, which might otherwise feed on these insects, is expected to be minor (IPM EIS, page 4-31).

The potential for imidacloprid to enter air, soil, or water is negligible using capsules or direct injection. Movement of the pesticide is restricted to the vascular system of the tree. Effects to non-target species are expected to be minimal (EA-03-018, page 4).

Cumulative effects considered in the IPM EIS included those from pesticide and fertilizer application on adjacent lands and in the watershed, as well as the risk to the public and workers involved with IPM (IPM EIS, p. 4-41).

Cumulative health risks from aerial application of esfenvalerate are well below those associated with hazard indices and cancer risks (Risk Assessment, pages 6-5 to 6-6; pages 6-33 to 6-36). The effect of human health by injecting encapsulated imidacloprid would be minimal (EA-03-018, page 4). The probability for esfenvalerate to reach streams would be low; potential stream concentrations would be below the amount likely to result in adverse effects to coho salmon (EA-03-018, page 5). The cumulative effects from ground applications of dicamba, glyphosate and picloram were also analyzed in the IPM EIS and are expected to be minimal when mitigation measures are followed (IPM EIS, page 4-41 to 42).

There is no indication that implementing the 2012 IPM program at Tyrrell would result in different direct, indirect or cumulative environmental effects than those anticipated in the IPM EIS.

5. Are the public involvement and interagency review associated with existing NEPA document(s) adequate for the current proposed action?

Documentation of answer and explanation: Yes. The Tyrrell IPM EIS had numerous scoping-related activities between 1999 and 2002. In May, 1999, a scoping letter and fact sheet were mailed to 31 groups, businesses, local government agencies, and individuals, announcing that the BLM was seeking help identifying issues and concerns regarding IPM at Tyrrell. An open house was held at the seed orchard on June 8, 1999. In November 2001, orchard staff visited six adjacent landowners to obtain information on water use and identify any concerns with the proposed project. In June, 2003, the draft EIS was released for a 60-day comment period. A second mailing, advertising a public hearing and a revised EIS schedule, was sent to approximately 70 interested public and 15 agencies. Additionally, public notices were placed in three local newspapers, a newspaper article was printed, and a local television station aired an interview on the subject. The second open house was held on July 16, 2003 at the orchard, where BLM staff and resource specialists were present to solicit the public's comments and concerns regarding the project. In June 2005, a 30-day public review period began following the publication of notice of the availability of the Final EIS. Copies were sent to 16 state or government agencies, 22 public interest groups, 6 government officials, and 46 private individuals.

Formal conference with NMFS resulted in the issuance of a conference opinion on February 9, 2005, and adopted as a biological opinion on September 25, 2008, concluding that the selected alternative is not likely to jeopardize the continued existence of coho salmon that are proposed for listing under the Endangered Species Act, but may adversely affect essential fish habitat for chinook and coho salmon. The opinion specified reasonable and prudent measures, with associated terms and conditions, to protect the coho salmon. The opinion also identified conservation recommendations to protect essential fish habitat. These terms and conditions and conservation recommendations were incorporated into the selected alternative analyzed in the Final EIS and the decision. In August of 2009, the BLM reinitiated consultation for a new five-year consultation with NMFS. On December 1, 2009, NMFS issued a letter of concurrence (LOC), as amended on December 23, 2009, for just aerial application of insecticide esfenvalerate for which the terms and conditions are still in effect. On August 9, 2010, NMFS issued a BO, as amended October 20, 2010, that concluded that the proposed action would not likely jeopardize the continued existence of Oregon Coast coho salmon nor adversely modify designated critical habitat.

U.S. Fish and Wildlife Service issued a Letter of Concurrence for Fiscal Years 2010/2013 Activities in the North Coast Province Which Might Disturb Spotted Owls or Marbled Murrelets (USFWS Reference 13420-2009-I-0152), stating that orchard disturbance may affect, but is not likely to adversely affect these species.

E. Persons/Agencies/BLM Staff Consulted

<u>Name</u>	<u>Title</u>	<u>Resource</u>	<u>Agency Represented</u>
Richard Hardt	District Planner	NEPA	BLM
Dan Crannell	Wildlife Biologist	Wildlife	BLM
Mike Kinsey	Fisheries Biologist	Fisheries & Water Quality	BLM
Molly Widmer	Botanist	Botany	BLM
Rudy Wiedenbeck	Soil Scientist	Soils	BLM
Mike Crawford	Orchard Program Manager	Seed Orchard	BLM

Note: Refer to the cited EA or the IPM EIS for a complete list of the team members participating in the preparation of the original environmental analysis documents.

Conclusion *(If you found that one or more of these criteria is not met, you will not be able to check this box.)*

Based on the review documented above, I conclude that this proposal conforms to the applicable land use plan and that the NEPA documentation fully covers the proposed action and constitutes BLM's compliance with the requirements of the NEPA.

/s/ Michael Crawford
Signature of Project Lead

/s/ Richard Hardt
Signature of NEPA Coordinator

/s/ Virginia Grilley
Signature of the Responsible Official

1/04/2012
Date

Note: The signed Conclusion on this Worksheet is part of an interim step in the BLM's internal decision process and does not constitute an appealable decision. However, the lease, permit, or other authorization based on this DNA is subject to protest or appeal under 43 CFR Part 4 and the program-specific regulations.

DECISION RECORD

for

Travis Tyrrell Seed Orchard Calendar Year 2012 Integrated Pest Management Program
Determination of NEPA Adequacy (DOI-BLM-OR-E000-2011-0003-DNA)
United States Department of the Interior
Bureau of Land Management
Eugene District

BACKGROUND

The Eugene District of the Bureau of Land Management (BLM) has considered a proposal for insect and noxious weed control and other integrated pest management activities at the Travis Tyrrell Seed Orchard. BLM has prepared a Determination of NEPA Adequacy (DOI-BLM-ORE000-2012-0003-DNA) which concluded that the proposed action was adequately analyzed in the Environmental Impact Statement (EIS) for Integrated Pest Management at Tyrrell Seed Orchard (June 2005), Seed Orchard General Operation Activities Categorical Exclusion DOI-BLM-OR-E000-2011-00004-CX, and Seed Orchard Recycling – Orchard Establishment Categorical Exclusion DOI-BLM-OR-E000-2009-00012-CX. The Tyrrell Seed Orchard is a centralized tree seed orchard designed to provide genetically improved Douglas-fir seed for BLM's Coos Bay, Roseburg and Eugene Districts and for ten private timber and seed companies. Protecting cone crops from insect damage is necessary in order to meet the seed needs for the BLM and private cooperators. The purpose of the action is to control cone insects which cause damage and seed loss to orchard cone crops, to control the spread of noxious weeds, as well as, perform other integrated pest management activities relevant to daily orchard operations. There is a need for control of cone insects in 12 seed production units (about 37 acres) and for control of noxious weeds (about 12 acres) in 2012. There is also a need for conducting operational actions throughout the year for orchard development, vegetation control, maintaining orchard health, and cone harvest.

DECISION

I have decided to implement the proposed action: aerial or ground application of esfenvalerate, stem injection of imidacloprid, ground application of dicamba, glyphosate, picloram and other integrated pest management activities, as described in the DNA (p. 1).

REASONS FOR THE DECISION

Considering the content of the DNA, the EIS for Integrated Pest Management at Tyrrell Seed Orchard, Orchard General Operation Activities CX, Seed Orchard Recycling – Orchard Establishment CX and the management direction contained in the RMP, I have decided to implement the action as described above. My rationale for this decision follows:

- The action addresses the need as stated in the EIS for Integrated Pest Management at Tyrrell Seed Orchard and the DNA (page 1). Aerial applications of esfenvalerate were successfully completed in 2003, 2005, 2006, 2007, 2008, 2009, 2010, and 2011 at the orchard. Systemic

applications of imidacloprid were successfully completed in 2004, 2006, 2008, 2009, 2010, and 2011 at Tyrrell. All pesticide and fertilizer use would be conducted in a manner similar with typical application rates and areas to those analyzed in the EIS.

- Non-pesticide integrated pest management practices proposed for use in 2012, such as planting, tilling, pruning, dead and dying tree removal, pile burning, stump grinding, mowing, fertilization, thinning and cone collection would be conducted in a manner similar to those discussed in the EIS and CXs (DNA, page 4).
- The action has been adequately analyzed in the EIS for Integrated Pest Management at Tyrrell Seed Orchard (DNA, pages 1-9).
- The action is consistent with applicable land use plans, policies, and programs (DNA, pages 1-2).

CONSULTATION

ESA consultation has been completed with the National Marine Fisheries Service (NMFS). NMFS issued a conference opinion on January 13, 2005, as amended on February 9, 2005, that identified conservation recommendations to protect essential fish habitat, and applicable terms and conditions should coho salmon (*Oncorhynchus kisutch*) be listed. The terms and conditions and conservation recommendations of the February 9, 2005 conference opinion were incorporated into the selected alternative analyzed in the Final IPM EIS and the decision, and will take place regardless of the species ESA listing status. The BLM reinitiated consultation with NMFS when Oregon Coast coho salmon were listed in 2008 and requested that the February 9, 2005, conference opinion be formally adopted as a biological opinion (BO). NMFS adopted the conference opinion on September 25, 2008; which expired February 9, 2010. In August 2009, the BLM reinitiated consultation for a new five-year consultation with NMFS. On December 1, 2009, NMFS issued a letter of concurrence (LOC), as amended on December 23, 2009, for aerial application of insecticide esfenvalerate for which the terms and conditions are still in effect. On August 9, 2010, NMFS issued a BO, as amended on October 20, 2010, that concluded that the proposed action would not likely jeopardize the continued existence of Oregon Coast coho salmon nor adversely modify designated critical habitat.

U.S. Fish and Wildlife Service issued a Letter of Concurrence for Fiscal Years 2010/2013 Activities in the North Coast Province Which Might Disturb Spotted Owls or Marbled Murrelets (USFWS Reference 13420-2009-I-0152), stating that orchard disturbance may affect, but is not likely to adversely affect these species. (DNA, pages 3 and 4)

PROTEST PROVISIONS

This forest management decision may be protested under 43 CFR 5003 - Administrative Remedies. In accordance with 43 CFR 5003.2, the decision for this project will not be subject to protest until the notice of decision is published in the Eugene Register-Guard on January 11, 2012. This published notice of decision will constitute the decision document for the purpose of protests of this project, 43 CFR 5003.2(b). Protests of the decision must be filed with this office within 15 days after first publication of the notice of decision. As interpreted by BLM, the regulations do not authorize acceptance of protests in any form other than a signed, paper document that is delivered to the physical address of the BLM office. Therefore, e-mail or facsimile protests will not be accepted.

IMPLEMENTATION DATE

If no protest is received by the close of business (4:15 P.M. Pacific Standard Time) on January 26, 2012, this decision will become final. If a timely protest is received, this decision will be reconsidered in light of the protest and other pertinent information available in accordance with 43 CFR 5003.3.

Approved by: /s/ Virginia Grilley
Eugene District Manager

1/04/2012
Date