



WASHINGTON STATE DEPARTMENT OF
Natural Resources
Peter Goldmark - Commissioner of Public Lands

Pacific Cascade Region
Department of Natural Resources
P.O. Box 280
Castle Rock, WA 98611
Phone: 360-577-2025 Fax: 360-274-4196

INVITATION TO BID

Contract Number 1276

2010 HELICOPTER APPLICATION OF HERBICIDES AS SITE PREPARATION AND RELEASE TREATMENTS

Return Bids to the address above by the date and time below:

BID NUMBER
1276

DUE DATE & TIME
July 6, 2010 2:00 P.M.

Direct contract questions to:
Chris Rasor
Contract Administrator
Phone: 360-880-8288
E-mail: chris.rasor@dnr.wa.gov

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1 ANNOUNCEMENT AND SPECIAL INFORMATION

Bidders are required to read and understand all information contained within this entire bid package. The Competitive Procurement Standards, which are referred to in this bid package are not automatically printed or sent out with this Request for Bid. By responding to this Request for Bid the Bidder agrees to read and understand these documents. These documents are available online at: <http://www.ga.wa.gov/pca/cps.htm>.

In support of the State's economic and environmental goals, we encourage you to consider the following elements in responding to our bids. These are not a factor of award (unless otherwise specified in this document):

- Using environmentally preferable products and products that exceed EPA guidelines.
- Supporting a diverse supplier pool, including small, minority, and women-owned firms.
- Featuring products made or grown in Washington.

1.1 PUBLIC DISCLOSURE

Bid information, including Price sheet, will not be available for public disclosure until after award of the contract. At the time of bid opening, only the name of the Bidder and time of bid receipt will be read aloud.

1.2 SCOPE

A. PURPOSE

The purpose of this Request for Bid is for the purchase of helicopter application of herbicide as site preparation treatment to approximately 2,608 acres and 154 acres as release treatments in Pacific Cascade Region. The projected treatment window is July 19th, 2010 to August 20th, 2010 for site preparation units and September 13th, 2010 to October 8st, 2010 for release units. Treatment timing for release units may be adjusted by the Contract Manager as needed to minimize damage to crop trees.

B. PURCHASER

The primary purchaser will be the Washington State Department of Natural Resources (WADNR).

C. DELIVERY

Delivery is of the essence and may be a factor in award. Bidder must be ready to begin application and have the herbicide in their possession and ready for use at least seven (7) calendar days before the effective start date stated in the scope (See 1.2.A).

D. BID EVALUATION

Bid evaluation and award criteria can be found in the section entitled Bid Evaluation. The DNR anticipates it will take seven (7) calendar days after the bid opening date to make an award (assuming an award is made). In the event an award decision takes longer than the anticipated seven (7) calendar days the project time frames will be adjusted day-for-day.

2 CHECK LIST

This checklist is provided for Bidder's convenience only and identifies the bid documents that are to be submitted with the bid package. Any bid packages received without these documents may be rejected:

- Bid Submittal entitled: Offer and Award - Signed (5.1) _____
- Bid Submittal entitled: Bidder Information - Initialed (5.2) _____
- Bid Submittal entitled: Specifications - Initialed (5.3) _____
- Bid Submittal entitled: Unit Description - Initialed (5.4) _____
- Bid Submittal entitled: Required Herbicides and Misc. Notes - Initialed (5.5) _____
- Bid Submittal entitled: Price Sheet - Initialed (5.6) _____
- Bid Submittal entitled: References - Initialed (5.7) _____

Bid submittals to be returned after award:

The following document need not be returned with bid submission; however, Contractor will be required to submit such documents at a later date as required by the Contract Administrator.

1. Certificate of Insurance.
2. Letter of certification of the aircraft(s) registration with the Department of Licensing.
3. Aircraft calibration test illustrating the Gallon per Acre Rate and speeds for the aircraft/spray equipment to be used in this contract.
3. Any other documents required herein.

3 BID EVALUATION

3.1 EVALUATION / AWARD

Should this Request for Bid result in an award then: In conjunction with the Competitive Procurement Standards, Section III, Paragraph 28, Award Factors, Request for Bid evaluation and possible resulting award shall be to the least expensive responsible and responsive Bidder. Evaluation and award shall be on an all-or-none basis to assure compatibility and/or efficiency in the award. Evaluation of pricing will be based on the chemical rate per acre plus the application rate per acre to arrive at a total rate per acre. The total rate per acre will be multiplied by the approximate acres for an item extended line total. Each individual extended line item total will be added together to arrive at an all-or-none total. Only one award will be made. Washington State sales tax, or use tax (if required) shall be excluded from all submitted bids. Contractors may invoice the DNR for reimbursement of sales tax, or use tax (See 5.3.E.2).

3.2 EVALUATION CONFERENCE

To aid in the evaluation process, after bid opening, the DNR may require individual Bidders to appear at a date, time, and place determined by the DNR for the purpose of conducting discussions to determine whether Bidders have a full and complete understanding of the nature and scope of contractual requirements, including the resources necessary to successfully fulfill all contractual requirements within the allotted time frame stated in the scope (See 1.2.A). In no manner shall such action be construed as negotiations or an indication of the DNR's intention to award.

4 SPECIAL TERMS AND CONDITIONS

4.1 SPILL CLEAN-UP

The supplier shall be responsible for spillage caused by their negligence, which occurs during transit or unloading operations. The supplier shall immediately report and clean up any spillage. Upon failure to do so, the supplier shall remain responsible for all actual related costs.

4.2 MATERIALS AND WORKMANSHIP

The Bidder shall be required to furnish all materials, equipment and/or services necessary to perform contractual requirements. Materials and workmanship in the construction of equipment for this contract shall conform to all codes, regulations and requirements for such equipment, specifications contained herein, and the normal uses for which intended. Materials shall be manufactured in accordance with the best commercial practices and standards for this type of equipment.

4.3 ESTABLISHED BUSINESS

To be considered responsive, Bidder must, prior to commencing performance, or prior to that time if required by law or regulation (reference WAC Chapter 18.27), be an established business firm with all required licenses, bonding, facilities, equipment and trained personnel necessary to perform the work as specified in the bid solicitation. All Bidders must have Federal Tax Identifier Number as required by IRS regulations and Uniform Business Identifier Number required by Department of Revenue (800) 647-7706. Questions regarding specific licenses should be directed to Department of Licensing at (360) 664-1400. The state reserves the right to require proof of said requirements including business references within ten (10) calendar days from the date of request.

4.4 BIDDER COMPLIANCE

The DNR reserves the right to consider the actual level of Bidder's compliance with the requirements specified in this Request for Bid, and to consider a bid responsive if it substantially complies with the DNR's intent relative to overall bid requirements and specifications.

4.5 QUESTIONS AND INQUIRIES

This Request for Bid is time sensitive and does not involve a pre-bid meeting. It is to your benefit to immediately review the document and ask questions (if any) as soon as possible. All questions related to this Request for Bid shall be directed to the Contract Administrator identified on the front page. Inquiries shall be in writing and shall reference the appropriate section and paragraph number. Questions received less than ten (10) calendar days prior to bid opening may not be considered. Only questions answered by written amendment are binding. Oral interpretations have no legal effect. Unofficial communication streams are not binding and at your own risk.

5 BID SUBMITTALS

5.1 OFFER AND AWARD

Bidders are required to read and understand all information contained within this entire bid package. There are some standard documents, which are referred to in this bid package that are not automatically printed or sent out with this bid. For example, Competitive Procurement Standards (Standard Terms and Conditions, Instructions to Bidders, Definitions), Sales/Service and Subcontractor Report are binding terms of this contract. It is important that you read and understand these documents. These documents are available online at: <http://www.ga.wa.gov/pca/cps.htm>

**STANDARD DEFINITIONS
STANDARD INSTRUCTIONS FOR BIDDERS
STANDARD TERMS AND CONDITIONS**

Bidder further offers to furnish materials, equipment or services in compliance with all terms, conditions, and specifications herein including all amendments. Submitting this document with an authorized signature constitutes complete understanding and compliance with the terms and conditions and certifies that all-necessary facilities or personnel are available and established at the time of bid submittal.

_____	_____
(Company Name)	(Typed or Printed Name)
_____	_____
(Address)	(Title)
_____	_____
(City) (State) (Zip)	(Phone No.)
_____	_____
(Federal Tax Identification Number)	FAX
_____	_____
Email	(Bidder's Signature) (Date)

AWARD- Authorized Signatures
(For State of Washington Use Only)

A contract is hereby awarded between the above company and the State of Washington, Department of Natural Resources, to be effective _____, 2010.

_____	_____	_____	_____
Contract Administrator	Date	Region Manager	Date

5.2 BIDDER INFORMATION

Bidder shall complete the following:

1. Authorized Representative(s):

Primary Contact:

Secondary Contact:

Name:

Name:

Address:

Address:

Telephone:

Telephone:

Fax:

Fax:

Email:

Email:

2. Bidder Address(s):

Billing will be from:

Payment to be sent to:

Name:

Name:

Address:

Address:

Telephone:

Telephone:

Fax:

Fax:

Email:

Email:

5.3 SPECIFICATIONS

A. DEFINITIONS

DNR: The Washington State Department of Natural Resources

CONTRACTOR: The person, partnership or corporation to whom the contract is awarded.

CONTRACT ADMINISTRATOR: The DNR employee who is primarily responsible for all aspects of contract administration.

OFFICIAL COMMUNICATION STREAM: Any request, question, inquiry, communication, etc. prior to an actual award will be routed through the Contract Administrator. The Bidder shall operate at their own risk if they rely on any additional information, assertions, promises, implications, etc. made to the Bidder by anyone else other than the Contract Administrator. After the actual award is made (if at all) the official communication point shall be the Contract Administrator unless a contract provision specifically designates a different point of contact. In the event of problems/disputes the successful Bidder shall contact the Contract Administrator within a short and reasonable time. This definition shall also act as a contract provision and applies to all parts of the Request for Bid.

B. LEGAL RESPONSIBILITIES

1. The Contractor shall assume full responsibility for the safety of his employees, equipment and supplies.
2. The Contractor shall furnish his crew with adequate safety clothing, according to General Safety and Health Standards WAC 296-800-160, including boots, coveralls, hats and gloves for handling the type of chemical being applied.

C. PILOT AND AIRCRAFT REQUIREMENTS

1. All pilots shall be registered with the Washington State Department of Transportation, Division of Aeronautics **(this is no longer required as of July 2005 due to the passing of Senate Bill 5414)**
2. All aircraft shall be registered with the Department of Licensing and the Department of Agriculture.
3. Before commencing work, the Contractor shall supply to the Contract Administrator a letter of certification of the aircraft(s) registration with the Department of Licensing.

4. Pilot(s) and aircraft(s) shall be available for inspection and/or flight check by the Division of Aeronautics and/or the DNR prior to and at any time during the current agreement period.
5. The Contractor shall furnish the necessary pilot(s) and mechanics to provide the services to be rendered herein without unjustified delay. The Contractor shall maintain necessary pilot(s), ground support crew(s) and equipment with each aircraft during the periods called for under this contract, and they shall be familiar with the terrain within the assigned treatment zone and generally familiar with the terrain and requirements for flight operations in the State of Washington. Pilot(s) shall be capable of cross-country navigation within the State.

D. FLIGHT DUTY LIMITATIONS

Aircraft pilots will be limited to the following tours of duty and flight hours:

1. Flight time shall not exceed a total of seven (7) hours per day.
2. Pilots accumulating thirty (30) or more hours of flying in any six (6) consecutive days will be off duty the following full calendar day.
3. A duty day is any day a flight is made, or four (4) hours or more of other duty is performed. Pilots must have a minimum of ten (10) consecutive hours off duty within twenty-four (24) hours after the beginning of any duty day.

The DNR may waive the "consecutive" requirement so that pilots flying such missions as aerial application may have two (2) shorter off duty periods, providing they aggregate to ten (10) hours or more.

5. Duty includes flight time and ground duty of any kind.
6. During any fourteen (14) consecutive days, pilots will be off duty for two (2) full calendar days; however, off-duty days need not be consecutive.
7. Combined fixed wing/helicopter operations shall have the same limitations as for helicopter operations.
8. Flight time is not entirely reliable as a gauge of accumulative pilot fatigue. Sound judgment is essential in administering aerial operations to provide maximum safety.
9. Pilots shall have experience as pilot in command during flight at low altitude over rough and mountainous terrain. They shall have the following minimum qualifications for type of aircraft used in this contract.

	<u>EXPERIENCE</u>	<u>HELICOPTER FLIGHT HOURS</u>
a.	Total flight time as pilot in command.	1,000
b.	Minimum flight time in type or weight class used in the contract.	100
c.	Minimum flight time during the preceding 12 months.	100
d.	Minimum flight time disseminating aerial spray in mountainous terrain.	200

E. PAYMENT AND INVOICING

1. All invoices shall separately itemize the price of the helicopter application and the price of the chemical, at prices specified on the Price Sheet for each Bid Item (See 5.6). If chemical is a tank mix of more than one chemical, the total price for the combined chemical shall be listed for each Bid Item.
2. Washington State sales tax or “use tax” (if applicable) is only owed to the Washington Department of Revenue on the chemical and not on the helicopter application of the chemical. Contractors may include Washington State sales tax for the applied chemical on invoices. Sales tax shall be included as a separate payment item, listed separately for each Bid Item.
3. Billing invoice forms will be signed by the Contractor and the Contract Administrator upon completion of the units treated. Payment will be based on each Bid Item’s unit prices multiplied by the number of acres actually treated.

F. EQUIPMENT, SUPPLIES AND APPLICATION REQUIREMENTS

Bidder’s Company Name: _____ Bidder’s Initials _____

All contract work shall be consistent with herbicide labeling and the Forest Practices Application/Notification as approved. If determined by the DNR's representative that an individual requirement of this section cannot be applied consistent with current herbicide labeling and/or Forest Practices, the herbicide label and/or the Forest Practices Application/Notification shall prevail.

1. Equipment and Supplies

- a. The Contractor shall furnish all flying, spraying and mix-truck equipment. Helicopters shall be equipped with a spray system capable of applying herbicide at rates specified. Spray apparatus shall be readily adjustable in the field and have a leak proof distribution system with positive shutoff.
- b. Helicopters shall be of the Bell 206 class or smaller and capable of carrying at least eighty (80) gallons of mix at all elevations.
- c. **The only nozzle allowed for this contract is Accu-Flo™ .028, 64 tube radial nozzle.**
- d. To help reduce drift, nozzles shall be oriented down at either a 45-degree angle or horizontal to the air stream.
- e. The helicopters shall be equipped with a Global Positioning System (GPS) device to track/mark each flight strip and buffer area(s). The GPS device must have the capability to export files at suitable map scale(s) for print-out and review by project administrator, if so requested. Flight data shape files and/or a print-out of flight lines shall be made available to the Contract Administrator within twenty-four (24) hours of completion of a unit, when requested.
- f. The Contractor shall furnish a mix-truck of 2,000 gallons minimum capacity with each helicopter. During the dormant season the Contractor shall have an additional 2,000 gallons hauling capability when requested. The mix-trucks shall:
 - 1. Have positive, continuous agitation system(s).
 - 2. Be equipped so the chemical can be transferred from barrel to mix-truck in measured quantities using a metered pump. Bucket transferring of chemical will not be permitted.
 - 3. Be equipped to effectively batch single-flight loads of chemical: This requires a mixing tank of 500 gallons or less, with positive, continuous agitation capability.

- g. If requested, a description of the helicopters and mix-trucks to be used for contract work shall be furnished to the Contract Administrator prior to contract award.
- h. The Contractor shall furnish all herbicide, carrier and additives required for treatment as specified in the Unit Description.
 - 1. Generic herbicides containing identical active ingredient percentages to those specified in the Unit Description may be substituted for brand-name herbicides as follows:

<u>Brand Name Herbicide:</u>	<u>Approved Substitute(s):</u>
Accord Concentrate EPA # 62719-324	Foresters EPA # 228-381 Glyphosate 5.4 EPA# 81927-8
Chopper EPA # 241-296	Polaris SP EPA# 228-536 Rotary 2SL EPA# 81927-6
Oust XP EPA # 352-601	Spyder EPA# 228-408 SFM 75 EPA# 81927-26 Sulfomet EPA# 352-401-85588
Oust Extra EPA # 352-622	SFM Extra EPA# 81927-5 Spyder Extra EPA# 228-6902 Sulfomet Extra EPA#352-622-85588
Escort XP EPA # 352-439	MSM E-PRO 60EG EPA #8159-14 MSM 60 DF EPA #74477-2
Arsenal AC EPA # 241-299	Polaris AC EPA # 228-480 Imazapyr 4 SL EPA # 74477-5
Milestone VM EPA # 62719-537	None
Syl-Tac	Dyne-amic or Phase
SuperSpread MSO	Premium MSO
Sylgard 309	Kinetic or Slither

Drift control agents, while product amounts are not directly quantified in the Unit Description, may be required up to the acreage listed per unit within the Unit Description, and shall be supplied by the Contractor.

2. All costs of materials, operation and maintenance not specifically furnished by the DNR, under part G1 below, shall be borne by the Contractor.
3. The Contractor will be responsible for all containment, neutralization, clean-up, disposal, associated costs, and other measures as may be required to respond to a fuel, chemical or pesticide spills.
4. Application
 - a. Prior to treatment the Contractor will determine flight patterns for disseminating the spray mix such that the maximum treatable area of the unit is treated with the prescribed application rate. The flight patterns must be acceptable to the DNR.
 - b. Application of spray shall not be made into streams containing water, lakes or ponds. Buffer strips adjacent to streams, lakes and ponds, as designated by the Contract Administrator and illustrated on the unit maps, shall be left unsprayed. A drift control additive may be required to help establish the unsprayed buffer.
 - c. Weather Guidelines for applications are as follows:
 1. Temperature:
Esters - 70° F maximum Others - 85° F maximum.
 2. Humidity:
Esters - 50% minimum Others - 40% minimum.
 3. Moisture:
Plants can have dew on leaf surfaces. Wait one hour after rainfall terminates to allow some drying of leaf surfaces.
 4. Wind:
5 mph maximum or as specified by the herbicide label.
 - d. The DNR reserves the right to determine if weather conditions are suitable for spraying operations. The Contractor shall cease spraying if the DNR determines weather conditions are unsuitable.

- e. Spraying will be performed at a height of approximately twenty-five (25) feet above tree tops and at a constant speed of not less than thirty-five (35) miles per hour, nor more than fifty-five (55) miles per hour.
 - f. The application rate of spray mix shall be ten (10) gallons of total solution evenly distributed per acre. The total solution applied per acre shall include herbicide and carrier as specified in the Unit Description.
5. On site, single-flight load batching shall be the method of preparing herbicide mixes for all units. This method of batching may be modified by the Contract Administrator if mutually agreed to at a pre-work conference. The Contractor must have the ability to effectively batch single-flight loads of chemical (See 5.3.F.1.f.3).

G. WORK RESPONSIBILITIES AND SCHEDULING

- 1. The DNR shall furnish or supply:
 - a. Maps, aerial photos and other data necessary for orientation of each pilot.
 - b. A representative to acquaint each pilot with each unit to be sprayed delineating boundaries of units and buffer strips adjacent to streams and open water to be left unsprayed.
 - c. Licensed personnel to supervise the measuring of correct chemical concentrations.
 - d. Suitable heliports and access roads. Heliports and roads shall be inspected by the Department of Natural Resources between one (1) month and one (1) week prior to contractor arrival. All heliport and road maintenance shall be completed at this time.
 - e. Delivery assistance for additional water, when available and practicable, to maximize the application operation during favorable flying weather.
- 2. Bidders are expected to examine this entire Request for Bid and to consider the scattered and intermittent conditions of the work.
- 3. A separate per acre bid for each Bid Item, as designated in the Unit Description and on the Price Sheet, is required.
- 4. To be acceptable the work schedule must occur within a Bid Item's treatment window. The anticipated treatment window(s) are listed separately for each Bid Item in the Unit Description. The DNR will determine the actual treatment window by assessing the current

physiological condition of the plant species to be treated and considering the effect of time and the projected weather trend on it. The department will reset or confirm a treatment window at least one week in advance of the anticipated treatment window's start date.

H. DELAY DUE TO FORCE MAJEURE

Due to the nature of the work involved in this contract, any delay incurred due to Force Majeure may not, at the option of the DNR, be compensated for by a contract extension. The DNR must retain the right to determine if the season or growth conditions permit or exclude any extension of the contract. This determination of the feasibility of a contract extension shall remain the sole prerogative of the DNR and the Contractor must plan to accomplish all work under this contract within the time stated. The Contractor in planning and scheduling the work must include time lost due to weather conditions. Weather conditions during the contract period are variable and will exclude the application of herbicides for an unknown number of days.

I. EXEMPTIONS

In the event requirements of the State Environmental Protection Act as amended, or the Forest Practices Act as amended cannot be satisfied, the DNR reserves the right to cancel any and all of this contract and shall not be held liable for expenses or inconveniences suffered by the Contractor.

J. SALES TAX

Washington State sales tax, or use tax (if required) shall be excluded from all submitted bids. Contractors may invoice the DNR for reimbursement of sales tax, or use tax (See 5.3.E.2).

K. SKIPS

Including but not limited to any other claim/theory of contract breach/contract damages, a "skip" is defined as an unsatisfactorily treated acreage. The value of a skip shall be calculated at the per acre bid price for that Bid Item multiplied by the number of unsatisfactorily treated acres.

5.4 UNIT DESCRIPTION PAGE 1 OF 13

ITEM 1
SITE PREPARATION

ANTICIPATED TREATMENT WINDOW: July 19, 2010 to August 20, 2010

HERBICIDES (See Clause 5.5)	HERBICIDE AMOUNT PER ACRE	TOTAL AMOUNT OF HERBICIDE FOR ITEM 1	ADJUVANT (See Clause 5.5)	ADJUVANT AMOUNT PER ACRE	TOTAL AMOUNT OF ADJUVANT FOR ITEM 1	TOTAL ITEM 1 ACRES
Accord Concentrate	48 oz	320.25 gallons	Syl-Tac	6 oz	40.03 gallons	854
Chopper	12 oz	80.06 gallons				
Oust Extra	4 oz	213.5 pounds				

Notes for all items in this contract: Allowable substitutes must be applied at the same rate per acre for all items. Legal description in all following tables formatted as S = Section; T = Township; R = Range. Item numbers correspond to the herbicide formulation to be applied. The table following each item contains area and other logistical information regarding where the item will be applied. The final table titled Bid 1276 Product Totals on page 30 contains the estimated total products to be purchased to complete this contract.

Bidder's Company Name: _____ Bidder's Initials _____

5.4 UNIT DESCRIPTION PAGE 2 OF 13

County	Silv Work Unit	Unit Name	S	T	R	E/W	Elevation	HP Coordinates	Miles To HP	Spray Acres	Drift Control Acres
Pacific	Coast	Gnomex U-1	18	13	6	W	600-1000	C20106 - N 46° 37' 32.2" W -123° 28' 34.1"	0.7	87	20
Pacific	Coast	Gnomex U-2	7	13	6	W	600-1000	C20106 - N 46° 37' 32.2" W -123° 28' 34.1"	0.0	70	20
Pacific	Coast	So Far So Good U-1	1	13	7	W	600-1000	C20108 - N 46° 38' 32.4" W -123° 28' 36.3"	0.3	86	20
Pacific	Coast	So Far So Good U-2	6	13	6	W	600-1000	C20107 - N 46° 38' 25.3" W -123° 28' 54.4"	0.0	62	10
Lewis	North	Carbon Copy	28	14	5	W	1124-2025	N20103 - N 46° 51' 48" W -123° 10' 24"	0.0	88	10
Lewis	North	Deep Blue U1	18	15	4	W	254 - 679	N201011 - N 46° 47' 11" W -123° 14' 13"	0.3	40	10
Lewis	North	Deep Blue U2	20	15	4	W	318 - 549	N20109 - N 46° 46' 50" W -123° 13' 7"	1.0	22	10
Clark	South	Berry Patch U1	36	4	3	E	1300 - 1700	Y201003 - N 45° 47' 20.2" W -122° 23' 22.7"	0.0	39	10
Clark	South	Berry Patch U2	36	4	3	E	1400 - 1700	Y201003 - N 45° 47' 20.2" W -122° 23' 22.7"	0.4	70	10
Clark	South	Berry Patch U4	25	4	3	E	1000 - 1400	Y201003 - N 45° 47' 20.2" W -122° 23' 22.7"	0.5	57	10
Clark	South	Swan Song U1	1	3	3	E	1300 - 1900	Y201002 - N 45° 46' 8.1" W -122° 22' 45"	0.0	76	10
Clark	South	Lunar Gauge U1	12	3	3	E	1800 - 1900	Y201002 - N 45° 46' 8.1" W -122° 22' 45"	0.3	7	10
Clark	South	Lunar Gauge U3	6	3	4	E	1600 - 1900	Y201002 - N 45° 46' 8.1" W -122° 22' 45"	0.5	59	10
Clark	South	Biggin U2	7	3	4	E	1500 - 2100	Y201002 - N 45° 46' 8.1" W -122° 22' 45"	1.2	91	10
Item 1 Unit Summary:								14	0.4	854	170
								Number of Units	Mean	Total	Total

Bidder's Company Name: _____ Bidder's Initials _____

5.4 UNIT DESCRIPTION PAGE 3 OF 13

ITEM 2
SITE PREPARATION

ANTICIPATED TREATMENT WINDOW: July 19, 2010 to August 20, 2010

HERBICIDES (See Clause 5.5)	HERBICIDE AMOUNT PER ACRE	TOTAL AMOUNT OF HERBICIDE FOR ITEM 2	ADJUVANT (See Clause 5.5)	ADJUVANT AMOUNT PER ACRE	TOTAL AMOUNT OF ADJUVANT FOR ITEM 2	TOTAL ITEM 2 ACRES
Accord Concentrate	48 oz	295.12 gallons	Syl-Tac	6 oz	36.89 gallons	787
Chopper	24 oz	147.56 gallons				
Oust Extra	4 oz	196.75 pounds				

Notes for all items in this contract: Allowable substitutes must be applied at the same rate per acre for all items. Legal description in all following tables formatted as S = Section; T = Township; R = Range. Item numbers correspond to the herbicide formulation to be applied. The table following each item contains area and other logistical information regarding where the item will be applied. The final table titled Bid 1276 Product Totals on page 30 contains the estimated total products to be purchased to complete this contract.

5.4 UNIT DESCRIPTION PAGE 4 OF 13

County	Silv Work Unit	Unit Name	S	T	R	E/W	Elevation	HP Coordinates	Miles To HP	Spray Acres	Drift Control Acres
Grays Harbor	North	Ok U1	23	17	5	W	443-873	N20106 - N 46° 56' 1" W -123° 15' 25"	1.0	41	10
Thurston	North	Wigtown U1	36	18	4	W	1290-1669	N20107 - N 47° 0' 2" W - 123° 6' 52"	0.0	52	10
Lewis	North	Ironman U1	26	15	5	W	277-574	L20104 - N 46.753677° ' " W -123.284377° ' "	0.3	79	10
Thurston	North	Wee U2	16	18	4	W	1155-1458	N201010 - N 47° 2' 27" W -123° 12' 13"	0.3	20	10
Cowlitz	South	Fanghorn U1	6	6	4	E	1400 - 2000	Y201007 - N 46° 3' 13.71" W -122° 21' 33.77"	1.0	59	10
Cowlitz	South	Fanghorn U2	30	7	4	E	2600 - 3100	Y201007 - N 46° 3' 13.71" W -122° 21' 33.77"	0.0	90	10
Cowlitz	South	Fanghorn U3	32	7	4	E	1500 - 2200	Y200907 - N 46° 3' 0.1" W -122° 20' 13.3"	0.2	54	10
Cowlitz	South	Long Bottom U1	12	6	3	E	1100 - 1900	Y201006 - N 46° 0' 52.3" W -122° 23' 0.3"	0.4	61	10
Cowlitz	South	Long Bottom U2	12	6	3	E	1200 - 1900	Y201006 - N 46° 0' 52.3" W -122° 23' 0.3"	0.0	37	10
Cowlitz	South	Long Bottom U3	12	6	3	E	1100 - 1700	Y201006 - N 46° 0' 52.3" W -122° 23' 0.3"	0.5	30	10
Clark	South	Happy Dance U1	2	2	4	E	1900 - 2700	Y201004 - N 45° 40' 47.2" W -122° 15' 59.6"	0.8	89	10
Clark	South	Happy Dance U2	1	2	4	E	1400 - 2400	Y201004 - N 45° 40' 47.2" W -122° 15' 59.6"	0.3	77	10
Clark	South	Remington Steele U4	11	2	4	E	1400 - 1800	Y201004 - N 45° 40' 47.2" W -122° 15' 59.6"	0.5	13	10
Clark	South	Remington Steele U6	11	2	4	E	1000 - 1700	Y201004 - N 45° 40' 47.2" W -122° 15' 59.6"	0.7	40	10
Clark	South	Remington Steele U7	11	2	4	E	1000 - 1300	Y201004 - N 45° 40' 47.2" W -122° 15' 59.6"	1.0	25	10
Clark	South	Remington Steele U5	2	2	4	E	1100 - 1700	Y201004 - N 45° 40' 47.2" W -122° 15' 59.6"	0.6	20	10
Item 2 Unit Summary:								16	0.5	787	160

Bidder's Company Name: _____ Bidder's Initials _____

5.4 UNIT DESCRIPTION PAGE 6 OF 13

County	Silv Work Unit	Unit Name	S	T	R	E/W	Elevation	HP Coordinates	Miles To HP	Spray Acres	Drift Control Acres
Grays Harbor	North	Cavalier U1	15	16	4	W	969-1176	N20103 - N 46° 51' 48" W -123° 10' 24"	0.7	53	10
Thurston	North	Cavalier U2	13	16	4	W	720-928	N20105 - N 46° 51' 55" W -123° 7' 47"	0.0	12	10
Grays Harbor	North	Hedge Hog U2	6	16	4	W	555-873	N20104 - N 46° 54' 8" W -123° 13' 26"	0.0	43	10
Grays Harbor	North	Newbie U1	1	16	6	W	600-1093	N20108 - N 46° 53' 58" W -123° 22' 36"	0.5	58	10
Grays Harbor	North	Newbie U2	1	16	6	W	413-739	N20108 - N 46° 53' 58" W -123° 22' 36"	0.0	79	10
Lewis	North	Fat Albert U2	26	11	2	E	1385-1766	L20101 - N 46.408647° ' " W -122.530054° ' "	0.5	55	10
Lewis	North	Fat Albert U1	26	11	2	E	1087-1518	L20101 - N 46.408647° ' " W -122.530054° ' "	0.5	60	10
Item 3 Unit Summary:								7	0.3	360	70
								Number of Units	Mean	Total	Total

Bidder's Company Name: _____ Bidder's Initials _____

5.4 UNIT DESCRIPTION PAGE 7 OF 13

ITEM 4

SITE PREPARATION FOR REDALDER PLANTATION

ANTICIPATED TREATMENT WINDOW: July 19, 2010 to August 20, 2010

HERBICIDES (See Clause 5.5)	HERBICIDE AMOUNT PER ACRE	TOTAL AMOUNT OF HERBICIDE FOR ITEM 4	ADJUVANT (See Clause 5.5)	ADJUVANT AMOUNT PER ACRE	TOTAL AMOUNT OF ADJUVANT FOR ITEM 4	TOTAL ITEM 4 ACRES
Accord Concentrate	128 oz	309 gallons	Syl-Tac	6 oz	14.48 gallons	309
Escort XP	2 oz	38.625 pounds				

Notes for all items in this contract: Allowable substitutes must be applied at the same rate per acre for all items. Legal description in all following tables formatted as S = Section; T = Township; R = Range. Item numbers correspond to the herbicide formulation to be applied. The table following each item contains area and other logistical information regarding where the item will be applied. The final table titled Bid 1276 Product Totals on page 30 contains the estimated total products to be purchased to complete this contract.

5.4 UNIT DESCRIPTION PAGE 8 OF 13

County	Silv Work Unit	Unit Name	S	T	R	E/W	Elevation	HP Coordinates	Miles To HP	Spray Acres	Drift Control Acres
Cowlitz	Coast	Slide Divide	28	9	4	W	600-800	C201018 - N 46° 14' 30.8" W -123° 10' 48.6"	0.0	61	20
Pacific	Coast	Hot Wings U-1	15	13	6	W	750-1000	C201012 - N 46° 37' 7.7" W -123° 24' 40.1"	0.0	81	30
Pacific	Coast	Wheaties U-3	18	13	7	W	200-400	C20104 - N 46° 36' 58.7" W -123° 36' 17.3"	0.0	44	10
Lewis	North	Ironman U2	26	15	5	W	272-491	L20104 - N 46.753677° ' " W -123.284377° ' "	0.3	75	10
Lewis	North	Lean Mac U2	36	14	4	W	275-406	L20102 - N 46° 39.703' " W -123° 7.678' "	0.0	48	10
		Item 4 Unit Summary:						5	0.1	309	80
								Number of Units	Mean	Total	Total

Bidder's Company Name: _____ Bidder's Initials _____

5.4 UNIT DESCRIPTION PAGE 9 OF 13

ITEM 5
SITE PREPARATION

ANTICIPATED TREATMENT WINDOW: July 19, 2010 to August 20, 2010

HERBICIDES (See Clause 5.5)	HERBICIDE AMOUNT PER ACRE	TOTAL AMOUNT OF HERBICIDE FOR ITEM 5	ADJUVANT (See Clause 5.5)	ADJUVANT AMOUNT PER ACRE	TOTAL AMOUNT OF ADJUVANT FOR ITEM 5	TOTAL ITEM 5 ACRES
Accord Concentrate	48 oz	111.75 gallons	Syl-Tac	6 oz	13.97 gallons	298
Milestone VM	6 oz	14 gallons				
Oust Extra	4 oz	74.5 pounds				

Notes for all items in this contract: Allowable substitutes must be applied at the same rate per acre for all items. Legal description in all following tables formatted as S = Section; T = Township; R = Range. Item numbers correspond to the herbicide formulation to be applied. The table following each item contains area and other logistical information regarding where the item will be applied. The final table titled Bid 1276 Product Totals on page 30 contains the estimated total products to be purchased to complete this contract.

Bidder's Company Name: _____ Bidder's Initials _____

5.4 UNIT DESCRIPTION PAGE 10 OF 13

County	Silv Work Unit	Unit Name	S	T	R	E/W	Elevation	HP Coordinates	Miles To HP	Spray Acres	Drift Control Acres
Cowlitz	Coast	Chicken Little U1	1	10	3	W	1200-1500	C201022 - N 46° 22' 41.3" W -123° 0' 6.8"	0.1	82	20
Cowlitz	Coast	Chicken Little U2	6	10	2	W	700-1000	C201021 - N 46° 23' 3.1" W -122° 59' 30.9"	0.0	26	10
Cowlitz	Coast	Mighty Casey U1	7	10	2	W	900-1000	C201020 - N 46° 21' 34.1" W -122° 58' 41.2"	0.3	25	10
Cowlitz	Coast	Mighty Casey U2	18	10	2	W	1000-1100	C201023 - N 46° 21' 31.499" W -122° 58' 23.6"	0.2	21	10
Cowlitz	Coast	Mighty Casey U3	18	10	2	W	1000-1100	C201023 - N 46° 21' 31.499" W -122° 58' 23.6"	0.8	32	10
Thurston	North	Dr. Pepper U1	24	18	4	W	1230-1652	N20101 - N 47° 1' 53" W -123° 9' 40"	1.0	20	10
Thurston	North	Dr. Pepper U2	23	18	4	W	1501-1710	N20101 - N 47° 1' 53" W -123° 9' 40"	1.0	15	10
Grays Harbor	North	Amber U1	32	18	4	W	727-1022	N201013 - N 46° 59' 50" W -123° 12' 16"	0.0	23	10
Grays Harbor	North	Amber U2	5	17	4	W	695-971	N201013 - N 46° 59' 50" W -123° 12' 16"	0.4	25	10
Grays Harbor	North	Red Crow U6	21	16	4	W	929-1205	N201012 - N 46° 51' 13" W -123° 11' 43"	0.8	29	10
Item 5 Unit Summary:								10	0.5	298	110
								Number of Units	Mean	Total	Total

Bidder's Company Name: _____ Bidder's Initials _____

5.4 UNIT DESCRIPTION PAGE 11 OF 13

ITEM 6

RELEASE APPLICATION TO EXISTING CONIFER PLANTATIONS

ANTICIPATED TREATMENT WINDOW: September 13, 2010 to October 8, 2010

HERBICIDES (See Clause 5.5)	HERBICIDE AMOUNT PER ACRE	TOTAL AMOUNT OF HERBICIDE FOR ITEM 6	ADJUVANT (See Clause 5.5)	ADJUVANT AMOUNT PER ACRE	TOTAL AMOUNT OF ADJUVANT FOR ITEM 6	TOTAL ITEM 6 ACRES
Accord Concentrate	32 oz	38.5 gallons	Sylgard 309	0.5 oz	77 oz	154
Oust XP	3 oz	28.88 pounds				
Arsenal AC	1 oz	1.2 gallons				

Notes for all items in this contract: Allowable substitutes must be applied at the same rate per acre for all items. Legal description in all following tables formatted as S = Section; T = Township; R = Range. Item numbers correspond to the herbicide formulation to be applied. The table following each item contains area and other logistical information regarding where the item will be applied. The final table titled Bid 1276 Product Totals on page 30 contains the estimated total products to be purchased to complete this contract.

5.4 UNIT DESCRIPTION PAGE 12 OF 13

County	Silv Work Unit	Unit Name	Section	Township	Range	E/W	Elevation	HP Coordinates	Miles To HP	Spray Acres	Drift Control Acres	
Pacific	Coast	Shenanigans U-1	23	13	8	W	200-500	C201016 - N 46° 36' 18.9" W -123° 39' 6.9"	0.0	35	10	
Pacific	Coast	Shenanigans U-2	23	13	8	W	300-500	C201014 - N 46° 35' 49.5" W -123° 39' 17.5"	0.0	44	0	
Pacific	Coast	Hanen Ridge	31	13	7	W	250-600	C20103 - N 46° 34' 14.2" W -123° 36' 13.6"	0.0	75	10	
Item 6 Unit Summary:												
									3	0.0	154	20
									Number of Units	Mean	Total	Total

Bidder's Company Name: _____ Bidder's Initials _____

5.4 UNIT DESCRIPTION PAGE 13 OF 13

BID 1276 PRODUCT TOTALS			
PRODUCT NAME	QUANTITY	UNIT OF MEASURE	NOTES
*Accord Concentrate	1,209.62	GALLONS	
*Chopper	317.60	GALLONS	
Milestone VM	14	GALLONS	
*Oust Extra	574.75	POUNDS	
*Escort XP	38.63	POUNDS	
*Oust XP	28.88	POUNDS	
*Syl-Tac	105.37	GALLONS	
*Sylgard 309	77	OUNCES	
*SuperSpread MSO	360	GALLONS	
Drift Retardant	61	LOADS	ASSUMES 10 AC/100 GALLON LOADS
*Arsenal AC	1.2	GALLONS	

*See Clause 5.3.F.1.h.1 for approved substitutes.

5.5 REQUIRED HERBICIDES AND MISCELLANEOUS NOTES

Bidder's Company Name: _____ Bidder's Initials _____

Except as stipulated in Clause 5.3.F.1.h.1, Herbicide Shall Be:

1. Glyphosate, N - (phosphonomethyl)glycine, in the form of its isopropylamine salt; 53.8% active ingredient (5.4 pounds per gallon)
Trade name: **Accord Concentrate**
2. Sulfometuron methyl {Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]-carbonyl]amino]sulfonyl]benzoate}; 75% by weight active ingredient
Trade name: **Oust XP**
3. Sulfometuron methyl {Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]-carbonyl]amino] sulfonyl]benzoate} 56.25% active ingredient: Metsulfuron methyl Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]-carbonyl]amino]sulfonyl]benzoate 15.00% active ingredient.
Trade Name: **Oust EXTRA**
4. Isopropylamine salt of Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid); 27.6% active ingredient
Trade Name: **Chopper**
5. Isopropylamine salt of Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid); 53.1% active ingredient
Trade Name: **Arsenal AC**
6. Triisopropanolammonium salt of 2-pyridine carboxylic acid, 4-amino-3,6-dichloro; 40.6% active ingredient
Trade Name: **Milestone VM**
7. Metsulfuron methyl Methyl 2-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]-carbonyl]amino]sulfonyl]benzoate; 60% by weight active ingredient
Trade Name(s): **Escort XP**

Adjuvant Shall Be:

- Trade name(s): **Syl Tac**
1. Methylated seed oil; alkylpolyoxy-ethylene ether and polyether modified polysiloxane: 100% active ingredient
Trade name(s): **Phase**
 2. Methylated seed oil; C16-C18 fatty acids, polyalkyleneoxide, modified polydimethylsiloxane, alkylphenol: 99% active ingredient
Trade name(s): **Dyne-amic**
 3. 2-(3-Hydroxypropyl) Heptamethyl-trisiloxane, Ethoxylated Acetate, Allyloxy Polyethylene Glycol Monallyl Acetate and Polyethylene Glycol Diacetate; 100% active ingredient
Trade name(s): **Sylgard 309**
 4. Proprietary blend of polyalkyleneoxide modified polydimethylsiloxane and polyoxpropylene-polyoxyethylene block copolymers: 99% active ingredient
Trade name(s): **Kinetic**
 5. Polysiloxane polyether copolymer: 100% active ingredient
Trade name(s): **Slither**
 6. Methyl Soyate, Nonylphenol Ethoxylate Blend; 100% active ingredient
Trade Name: **Super Spread MSO Modified Vegetable**
 7. Proprietary blend of methylated oils and nonionic surfactants; 100% active ingredient
Trade Name: **Premium MSO Methylated Spray Oil**

Herbicide Carrier Shall Be:

1. Water

5.6 PRICE SHEET

Item NO.	Description	Estimated Quantity in Acres	Chemical Rate Per Acre 1 & 5	Application Rate Per Acre 2 & 5	Total Rate Per Acre 3 & 5	Item Extended Total 4 & 5
1.	Aerial Helicopter Herbicide Treatment per all contract terms and specifications.	854	\$ _____	\$ _____	\$ _____	\$ _____
2.	Aerial Helicopter Herbicide Treatment per all contract terms and specifications.	787	\$ _____	\$ _____	\$ _____	\$ _____
3.	Aerial Helicopter Herbicide Treatment per all contract terms and specifications.	360	\$ _____	\$ _____	\$ _____	\$ _____
4.	Aerial Helicopter Herbicide Treatment per all contract terms and specifications.	309	\$ _____	\$ _____	\$ _____	\$ _____
5.	Aerial Helicopter Herbicide Treatment per all contract terms and specifications.	298	\$ _____	\$ _____	\$ _____	\$ _____
6.	Aerial Helicopter Herbicide Treatment per all contract terms and specifications. (ONLY Release Item)	154	\$ _____	\$ _____	\$ _____	\$ _____
N/A	TOTALS: (Sum of Item Extended Total for all items 1 – 6 above)	2,762 AC				\$ _____

¹ Per acre price for all chemicals excluding tax.

² Per acre price of helicopter application only.

³ Chemical rate per acre excluding tax plus the application rate per acre.

⁴ Total rate per acre multiplied by the estimated acres.

⁵ All prices shall be FOB destination, freight prepaid and included.

5.7 REFERENCES

Bidder shall furnish a minimum of 3 references for which Bidder has delivered goods or services on a contract similar in scope to that described in this Request for Bid. Any feedback that the reference would not engage in future business may result in the bid being rejected. The state reserves the right to waive the reference check.

- 1. Company Name: _____
- Address: _____
- Contact Person: _____
- Telephone: _____
- Fax: _____
- Email: _____

Briefly describe the project performed:

- 2. Company Name: _____
- Address: _____
- Contact Person: _____
- Telephone: _____
- Fax: _____
- Email: _____

Briefly describe the project performed:

- 3. Company Name: _____
- Address: _____
- Contact Person: _____
- Telephone: _____
- Fax: _____
- Email: _____

Briefly describe the project performed: