

**ARIZONA DEPARTMENT OF WATER RESOURCES  
BEST MANAGEMENT PRACTICES  
AGRICULTURAL WATER CONSERVATION PROGRAM**



## **FACT SHEET – BMP PROGRAM**

- ◆ FARM MUST QUALIFY – FOUR CATEGORIES OF BMPs
- ◆ OPERATOR VOLUNTARILY CHOOSES BMPs FROM AN APPROVED LIST
- ◆ OPERATOR VOLUNTARILY COMMITS TO USE APPROVED PRACTICES
- ◆ OWNER MUST AGREE TO ENROLL – AFFIDAVIT(S)
  
- ◆ FARM PLAN MAP IS REQUIRED
- ◆ ADWR MAY CHOOSE TO AUDIT PRACTICES – COMPLIANCE
- ◆ INTERIM PROGRAM TO 2010 – ONCE ENROLLED MUST STAY IN  
*A New Owner May Opt Out*
  
- ◆ BMP ADVISORY COMMITTEE – *Farmers and District Managers*
  
- ◆ ALTERNATIVE TO THE BASE PROGRAM
- ◆ NO WATER ALLOTMENT
- ◆ FLEX CREDITS REMAIN UNCHANGED FOR DURATION OF ENROLLMENT
- ◆ FILE A SINGLE ANNUAL REPORT – FOR THE WHOLE BMP FARM

### ***APPLYING FOR BMP ENROLLMENT***

- ◆ CHOOSE THE IGRs YOU WISH TO ENROLL – THIS IS THE BMP FARM
- ◆ CHOOSE YOUR QUALIFYING BMPs IN FOUR CATEGORIES
- ◆ COMPLETE A BMP WORKSHEET – 10 POINTS REQUIRED
- ◆ COMPLETE THE BMP APPLICATION – *1 PAGE*
- ◆ SECURE THE OWNERS PERMISSION  
*Affidavit(s) From Owner(s) If Land Is Leased*
- ◆ COMPLETE YOUR FARM PLAN MAP

**IRRIGATION MANAGEMENT SERVICE AND ADWR  
WILL HELP YOU COMPLETE YOUR APPLICATION !**



**APPENDIX 4B  
BEST MANAGEMENT PRACTICES PROGRAM  
APPROVED BEST MANAGEMENT PRACTICES**

<b>BMP CATEGORY 1. WATER CONVEYANCE SYSTEM IMPROVEMENTS</b>	
<b>Description:</b> A farm’s water conveyance system allows water to be conveyed from an irrigation district delivery point or a well head for irrigation of each field. This category includes water conveyance system improvements that qualify as approved BMPs.	
<b>Approved Water Conveyance Improvements</b>	
<b>BMP 1.1 Concrete-lined ditch</b>	A means of transporting water to farm fields via a concrete-lined ditch in order to minimize transmission losses through seepage.
<b>BMP 1.2 Pipelines</b>	Any type of low or high-pressure pipeline used to convey water to a farm field in order to reduce or eliminate water loss prior to the act of irrigation. Pipelines may be constructed of PVC, ABS, concrete, aluminum, and or steel.
<b>BMP 1.3 Drainback system</b>	Level irrigation system technology utilizing headland channel conveyance which is designed and maintained to “drain” excess water applications from one irrigated field to the next down gradient field.
<b>Point Value Determination for BMP Category 1</b>	
An applicant for the BMP Program must select one or more of the water conveyance system improvement BMPs described above in the application for the BMP Program. A BMP may be selected only if it is being implemented on the farm at the time the application is filed. The total points for the BMP or BMPs selected in this category shall be calculated by estimating the percentage of the farm’s irrigated acreage served by the selected BMP or BMPs, and then determining the point value for that percentage in the table below. For purposes of this determination, “irrigated acreage” means those acres within the farm that will be irrigated while the applicant is regulated under the BMP Program. If the applicant selects more than one BMP in this category, an acre shall not be counted twice in determining the total percentage of the farm’s irrigated acreage served by the BMPs. In this category, the maximum number of points allowed is three and the minimum number is one.	

<b>Category 1: Water Conveyance System – Point Table</b>	
<b>Percentage of the farm’s total irrigated acreage served by the approved BMPs</b>	<b>Point Value</b>
<b>50-54</b>	<b>1.0</b>
<b>55-59</b>	<b>1.2</b>
<b>60-64</b>	<b>1.4</b>
<b>65-69</b>	<b>1.6</b>
<b>70-74</b>	<b>1.8</b>
<b>75-79</b>	<b>2.0</b>
<b>80-84</b>	<b>2.2</b>
<b>85-89</b>	<b>2.4</b>
<b>90-94</b>	<b>2.6</b>
<b>95-99</b>	<b>2.8</b>
<b>100</b>	<b>3.0</b>

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<b>BMP CATEGORY 2. FARM IRRIGATION SYSTEMS</b>	
<b>Description:</b> Farm irrigation systems are the methods by which a farm field is irrigated. Farm irrigation systems include slope, modified slope, level or near level, sprinkler, trickle or drip, or any combination thereof. This category includes farm irrigation systems that qualify as approved BMPs.	
<b>Approved Farm Irrigation Systems</b>	
<b>BMP 2.1 Slope systems without uniform grades with tailwater reuse - (1 Point)</b>	Definition: Sloped fields without uniform grades with a constructed recovery system that allows for the reuse of water that runs off the end of the field after an irrigation event.
<b>BMP 2.2 Uniform slope systems without tailwater reuse - (1 Point)</b>	Definition: Sloped fields that have been engineered to uniform grades with no means of reusing the water that runs off the end of the field after an irrigation event.
<b>BMP 2.3 Uniform slope systems with tailwater reuse - (2 Points)</b>	Definition: Sloped fields that have been engineered to uniform grades with a constructed recovery system that allows for the reuse of water that runs off the end of the field after an irrigation event.
<b>BMP 2.4 Uniform slope within an irrigation district that captures and redistributes return flows - (2 Points)</b>	Definition: Sloped fields that have been engineered to uniform grades enabling an irrigation district to collect the water that leaves a farm field after an irrigation event for distribution to another farm field.
<b>BMP 2.5 Modified slope systems - (2 Points)</b>	Definition: Sloped fields that have been engineered to uniform grades in the upper portion of the field, with the bottom portion generally having a field slope of 0.0 to 0.2 feet of total fall in the direction of irrigation. All irrigation water is retained on the field.
<b>BMP 2.6 High pressure sprinkler systems - (2 Points)</b>	Definition: Side-roll, linear, center-pivot, and solid set designs that operate at mainline water pressures of 10 pounds per square inch (psi) or more.
<b>BMP 2.7 Near level systems - (2.5 Points)</b>	Definition: Sloped fields that have been engineered to uniform grades between 0.2 to 0.5 feet of total fall in the direction of irrigation over the entire length of the field. All irrigation water is retained on the field.
<b>BMP 2.8 Level systems - (3 Points)</b>	Definition: Level border or level furrow system where the field slope may vary from 0.0 to 0.2 feet of total fall in the direction of irrigation over the entire length of the field. Either all irrigation water is retained on the field or a level drainback system is used.
<b>BMP 2.9 Low pressure sprinkler systems - (3 Points)</b>	Definition: Linear and center-pivot sprinkler designs that operate at water pressures measured at the high end of the mainline of no greater than 10 psi.
<b>BMP 2.10 Trickle irrigation systems - (3 Points)</b>	Definition: Pressurized drip or subsurface irrigation capable of applying precise amounts of water to the crop root zone (also referred to as drip irrigation).

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<b>Point Value Determination for BMP Category 2</b>
<p>An applicant for the BMP Program must select one or more of the farm irrigation systems BMPs described above in the application for the BMP Program. A BMP may be selected only if it is being implemented on the farm at the time the application is filed. The points for a BMP selected in this category shall be calculated by multiplying the points assigned to the BMP as shown above by the percentage of the farm's irrigated acreage served by the irrigation system described in the BMP. For purposes of this determination, "irrigated acreage" means those acres within the farm that will be irrigated while the applicant is regulated under the BMP Program. If the applicant selects more than one BMP in this category, an acre shall not be counted twice in determining the total percentage of the farm's irrigated acreage served by the BMPs. In this category, the maximum number of points allowed is three and the minimum number is two.</p>

<b>BMP CATEGORY 3. IRRIGATION WATER MANAGEMENT</b>
<p><b>Description:</b> Irrigation water management practices include management practices that, when implemented properly, will increase a farm's overall efficiency of water application in a growing season. This category includes irrigation water management practices that qualify as approved BMPs.</p>
<b>Approved Irrigation Water Management Practices</b>
<p><b>BMP 3.1 Laser touch-up - (1 Point)</b>            Definition: Annual re-establishment of precision laser grades to ensure good advancement of applied irrigation water. Must be applied to a minimum of 20 percent of the near level and level basin acreage irrigated the prior year.</p>
<p><b>BMP 3.2 Alternate row irrigation - (1 Point)</b>            Definition: The practice of irrigating every other cultivated row during either single or multiple irrigation events to minimize the surface area of applied water. Annually, must be used on at least 20 percent of the acreage irrigated in row crops for at least one irrigation.</p>
<p><b>BMP 3.3 Furrow checks - (1 Point)</b>            Definition: Manually applied or installed devices placed in rows to raise the water level in the row reducing the velocity to prevent erosion and enhance infiltration rates. Annually, must be used on at least 20 percent of irrigated acreage for at least one irrigation.</p>
<p><b>BMP 3.4 Angled rows/contour farming - (1 Point)</b>            Definition: Annual practice of reducing row fall through row angling and/or contouring to enhance water advancement and infiltration rates. This practice may also minimize or eliminate tailwater runoff. Annually, must be used on at least 20 percent of irrigated acreage.</p>
<p><b>BMP 3.5 Surge irrigation - (1 Point)</b>            Definition: The practice of applying irrigation water to a field by intermittent surges or pulses of water rather than by a continuous flow rate. The irrigation water advances down the field (or furrow), in stages, allowing uniform water penetration and avoiding tailwater runoff. A gradual sealing and soil conditioning occurs with each progressive surge allowing a more efficient water application. Annually, must be used on at least 20 percent of irrigated acreage.</p>

**APPENDIX 4B  
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<b>Approved Irrigation Water Management Practices (BMP Category 3 cont.)</b>
<p><b>BMP 3.6 Temporary sprinklers - (1 Point)</b>            Definition: Utilization of portable, roller and/or solid set sprinkler system for meeting pre-irrigation needs, seedling germination to establish a crop, and/or pre-harvest irrigation for maintaining crop quality. This practice reduces water use when compared to conventional flood irrigation techniques that require excessive water applications for seedling germination and/or crop quality. Annually, must be used on at least 20 percent of irrigated acreage.</p>
<p><b>BMP 3.7 Participation in an educational irrigation water management program - (1 Point)</b>            Definition: Enrollment in a private or Department sponsored educational irrigation water management program that includes irrigation water management topics such as soil water replacement needs, application rates, and irrigation scheduling. Annually, must participate in such a program throughout the entire crop season.</p>
<p><b>BMP 3.8 Participation in a consultant or irrigation district sponsored irrigation scheduling service - (1 Point)</b>            Definition: Enrollment in a consultant or Department sponsored irrigation scheduling service that provides recommendations on soil moisture monitoring, soil water replacement needs, irrigation application rates, and irrigation scheduling dates based on soil moisture monitoring or real-time evapotranspiration data. Annually, must participate in such a program throughout the entire crop season.</p>
<p><b>BMP 3.9 Participation in an irrigation district program to increase the flexibility of water deliveries - (1 Point)</b>            Definition: Enrollment in a cooperative program set up by the irrigation district to assist a farmer with timely irrigation deliveries and shut off, constant flow rates, and other water order guidelines developed by the irrigation district. Annually, must participate in such a program throughout the entire crop season.</p>
<p><b>BMP 3.10 Measure flow rates to determine the amount of water applied - (1 Point)</b>            Definition: Measure flow rates to determine the amount of water applied for each irrigation event on each field for the purpose of achieving good application efficiencies.</p>
<p><b>BMP 3.11 Soil moisture monitoring - (1 Point)</b>            Definition: Use of a number of accepted methods to monitor/measure soil moisture for the purpose of determining soil water replacement needs, application rates, and irrigation scheduling on each field (accepted methods may include core sampling, resistance blocks, neutron probe, tensiometers) throughout the entire crop season.</p>
<p><b>BMP 3.12 Computer based model using meteorological data - (1 Point)</b>            Definition: Use of a computer based irrigation scheduling program that incorporates real-time meteorological data (e.g. AZMET) for the purpose of determining irrigation event schedules on each field throughout the entire crop season.</p>
<b>Substitute Irrigation Water Management Practices</b>
<p><b>Substitute Practice - (1 Point)</b>            Definition: A new or existing irrigation water management practice not listed above that the director determines will likely result in water savings on the farm at least equivalent to the water savings that would result from implementation of one of the approved BMPs described in this category.</p>

**APPENDIX 4B**  
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<b>Point Value Determination for BMP Category 3</b>
An applicant for the BMP Program must select one or more of the irrigation water management BMPs described above in the application for the BMP Program. A BMP may be selected only if it will be implemented on an annual basis while the applicant is regulated under the BMP Program. In this category, the maximum number of points allowed is three and the minimum number is one.

<b>CATEGORY 4. AGRONOMIC MANAGEMENT</b>
<b>Description:</b> Agronomic management practices include combinations of plant and soil management practices that, if implemented properly, will conserve water over the length of the growing season. This category includes agronomic management practices that qualify as approved BMPs.
<b>Approved Agronomic Management Practices</b>
<b>BMP 4.1 Crop rotation - (1 point)</b> Definition: Periodic rotation of crop types on a given farm field to ensure the non-degradation of soil tilth. Annually, at least 20 percent of the acreage irrigated the prior year needs to be rotated to a different crop.
<b>BMP 4.2 Crop residue management - (1 point)</b> Definition: Incorporation of crop residue into the soil profile to increase soil nutrients, soil water holding capacities, and increase the available soil moisture to a crop. Annually, must be employed on at least 20 percent of the total irrigated acreage.
<b>BMP 4.3 Soil and water quality testing - (1 point)</b> Definition: Annual soil testing to determine: 1) residual amounts of fertilizer, 2) soil salinity for leaching needs, and 3) water intake rates and water holding capacity. Soil testing is required on at least 50 percent of the irrigated acreage. Water quality testing for needs such as estimating leaching requirements or avoiding potential injury to crops. Testing must include a “blend” analysis of irrigation water used from all sources.
<b>BMP 4.4 Pre-irrigation surface conditioning - (1 point)</b> Definition: Mechanical means (i.e. driving rows, soil torpedoes, etc.) by which rows or borders are prepared prior to an initial irrigation to smooth flow of water to avoid unwanted deep percolation during dry conditions or to enhance water advancement rates. Annually, must be used on at least 20 percent of irrigated acreage.
<b>BMP 4.5 Transplants - (1 point)</b> Definition: Use of established seedlings transplanted into a field. This practice eliminates excessive applications of water to germinate crops in the field from seeds. Annually, must be used on at least 20 percent of irrigated acreage.
<b>BMP 4.6 Mulching - (1 point)</b> Definition: Use of organic matter or plastic sheets to cover plant beds (plastic mulch) and/or use of plastic material laid over hoops suspended above the plant beds (floatable row covers) to reduce evaporation losses. Annually, must be used on at least 20 percent of irrigated acreage.
<b>BMP 4.7 Shaping furrow or bed - (1 point)</b> Definition: Use of mechanical means such as a row former to make the bed profile more shallow to minimize time of infiltration and minimize the wetted surface area along the rows. Annually, must be used on at least 20 percent of irrigated acreage.

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<b>Approved Agronomic Management Practices (BMP Category 4 cont.)</b>
<p><b>BMP 4.8 Planting in bottom of furrow - (1 point)</b> Definition: Practice of planting in the bottom of the furrow as opposed to planting along the top of the row bed to minimize impacts of salt build up and wetting (subbing) requirements for germination. Annually, must be used on at least 20 percent of irrigated acreage.</p>
<b>Substitute Agronomic Management Practices</b>
<p><b>Substitute Practice - (1 Point)</b> Definition: A new or existing agronomic management practice not listed above that the director determines will likely result in water savings on the farm at least equivalent to the water savings that would result from implementation of one of the approved BMPs described in this category.</p>
<b>Point Value Determination for Category 4</b>
<p>An applicant for the BMP Program must select one or more of the agronomic management BMPs described above in the application for the BMP Program. A BMP may be selected only if it will be implemented on an annual basis while the applicant is regulated under the BMP Program. In this category, the maximum number of points allowed is three and the minimum number is one.</p>

**4-104. Best Management Practices Program**

**A. Application for Regulation under the Best Management Practices Program**

*An owner of an IGFR or any person using groundwater pursuant to that IGFR may apply to be regulated under the Best Management Practices (“BMP”) Program at any time prior to the first compliance date for the agricultural conservation requirements established in the Fourth Management Plan. One application may be filed for multiple IGFRs if the IGFRs are contiguous or in close proximity to each other and are within the same farm unit. An application for regulation under the BMP Program shall be on a form prescribed and furnished by the director and shall include the following information:*

- 1. The name, address, and phone number of the applicant.*
- 2. The certificate number(s) of Irrigation Grandfathered right for which the application is filed.*
- 3. The name of the farm or farm unit (if applicable).*
- 4. The current balance in the flexibility account for the farm.*
- 5. If the applicant is not the owner of an IGFR for which the application is filed, a signed affidavit from the owner of that IGFR stating that the owner agrees to regulation under the BMP Program until the effective date of any substitute conservation requirements established in the Fourth Management Plan, except as provided in subsection I, paragraph 2 of this section.*
- 6. A current farm plan map showing all existing improvements to the farm unit’s water conveyance system and farm irrigation systems.*
- 7. An identification of those BMPs described in Appendix 4B that the applicant selects to implement on the farm while regulated under the BMP Program. In selecting BMPs:
  - a. The applicant shall select at least one BMP in each of the four BMP Categories described in Appendix 4B: Category 1 (water conveyance system improvements), Category 2, (farm irrigation systems), Category 3 (irrigation water management practices), and Category 4 (agronomic management practices). The BMP or BMPs selected in a category shall have a maximum of three points using the point value determination described in that category. The BMP or BMPs selected in BMP Categories 1, 3, and 4 shall have a minimum of one point, and the BMP or BMPs selected in BMP Category 2 shall have a minimum of two points. The total number of points for all BMPs selected by the applicant shall be at least ten points.*
  - b. A BMP may be selected in BMP Category 1 or BMP Category 2 only if the BMP has already been installed and is being used on the farm at the time the application is filed. A BMP may be selected in BMP Category 3 or BMP Category 4 only if the BMP will be implemented on the farm annually**

*while water use on the farm is regulated under the BMP Program.*

- c. If the applicant selects a substitute practice in BMP Category 3 or BMP Category 4 as described in Appendix 4B, the applicant shall describe the substitute practice in detail and demonstrate that the practice will likely achieve water savings on the farm at least equivalent to the water savings that would result from implementation of an approved BMP in that category.*

**B. *Criteria for Approval of Application***

*The director shall approve an application for regulation under the BMP program if all of the following requirements are satisfied:*

- 1. The application is found to be complete and correct, and the BMPs selected by the applicant under subsection A, paragraph 7 of this section meet the requirements of that paragraph.*
- 2. The applicant is not currently out of compliance with any agricultural conservation requirement in this Chapter. This paragraph does not apply to a violation of a conservation requirement if the violation has been resolved by the Department through a stipulation and consent order or other mechanism and the applicant is not in violation of that stipulation and consent order or other mechanism.*
- 3. If the BMPs selected by the applicant under subsection A, paragraph 7 of this section include a substitute practice in BMP Category 3 or BMP Category 4 as described in Appendix 4B, the applicant has demonstrated to the satisfaction of the director that the substitute practice will likely achieve water savings on the farm at least equivalent to the water savings that would result from implementation of an approved BMP in that category.*

**C. *Exemption from Maximum Annual Groundwater Allotment Conservation Requirements***

*After the director approves an application for regulation under the BMP Program, the owner of an IGFR included in the application, and any person using groundwater pursuant to that IGFR, are exempt from the maximum annual groundwater allotment conservation requirements set forth in section 4-102 beginning on January 1 of the first calendar year after the application for enrollment into the BMP Program is approved, unless the director approves an earlier date.*

**D. *BMP Program Requirements***

*After the director approves an application for regulation under the BMP Program, the owner of an IGFR included in the application, and any person using groundwater pursuant to that IGFR, shall comply with all of the following:*

- 1. The IGFR owner and any person entitled to use groundwater under that IGFR*

*shall implement all selected BMPs in the application approved by the director under this section, beginning on January 1 of the first calendar year after the application for enrollment into the BMP Program is approved, unless the director approves an earlier date, and continuing thereafter until the first compliance date for any substitute conservation requirement established in the Fourth Management Plan. If a selected BMP has been replaced with a new BMP pursuant to subsection E of this section, the IGFR owner and any person entitled to use groundwater pursuant to that IGFR shall implement the new BMP in lieu of the selected BMP.*

2. *The IGFR owner, and any person entitled to use groundwater under that IGFR, may use groundwater to irrigate only the irrigation acres to which the IGFR is appurtenant.*

**E. Replacement of an Existing BMP with a New BMP after Acceptance into BMP Program**

*After the director approves an application for regulation under the BMP Program, the owner of an IGFR included in the application, or any person using groundwater pursuant to that IGFR, may:*

1. *Replace a BMP selected in BMP Category 3 or BMP Category 4 in the application approved by the director with an approved BMP in the same category as described in Appendix 4B if the applicant notifies the director in writing of the replacement within thirty days after the replacement occurs.*
2. *Apply to the director to replace a BMP selected in BMP Category 3 or BMP Category 4 in the application approved by the director with a substitute practice in the same category as described in Appendix 4B. The director shall approve the application if the director determines that implementation of the substitute practice will likely result in water savings on the farm at least equivalent to the water savings that would result from implementation of the BMP selected in the application approved by the director.*

**F. Requirement of New Lessee to Apply for Participation in BMP Program**

1. *After the director approves an application for regulation under the BMP Program under subsection B of this section, any person who subsequently acquires a leasehold interest in the land enrolled in the program shall file with the director an application to participate in the BMP Program prior to using water on the land. The application shall be on a form prescribed and furnished by the director and shall contain the following information:*
  - a. *The applicant's name, address and telephone number.*
  - b. *The certificate number(s) of Irrigation Grandfathered right for which the application is filed.*
  - c. *A certification that the applicant agrees to be regulated under the BMP Program while leasing the land and an identification of all BMPs the*

*applicant agrees to implement while leasing the land. The BMPs shall meet the requirements set forth in subsection A, paragraph 7 of this section.*

*d. Any other information required by the director.*

- 3. The director shall approve an application to participate in the BMP Program filed under paragraph 1 of this subsection if the application meets all of the requirements set forth in subsection B of this section. If the director denies the application, the applicant shall file a new application to participate in the BMP Program within thirty days after receiving notice of the director's decision or, if the applicant files a timely notice of appeal of the decision and the appeal is denied, within thirty days after receiving notice of the denial of the appeal. In the new application, the applicant shall make a good faith effort to correct the deficiencies that the director identifies with the first application. If the director denies the new application, both the owner of the IGFR and the applicant shall be regulated under the Base Agricultural Conservation Program in section 4-102.*

#### **G. Flexibility Account Provisions**

*Under the BMP Program, the flexibility account provisions of A.R.S. § 45-467 shall not apply to the IGFR owner and any person entitled to use groundwater under that IGFR. Upon acceptance into the BMP Program, the balance in the farm's flexibility account at the time of acceptance into the BMP Program shall remain unchanged until water use on the farm is no longer regulated under the BMP program.*

#### **H. Reporting Requirements**

*In addition to the information required to be submitted in the annual report required by A.R.S. § 45-632, the IGFR owner or any person entitled to use groundwater pursuant to that IGFR shall submit the following information on a form prescribed by the director by the date the annual report is due, regardless of whether an irrigation district files the annual report on behalf of the IGFR owner:*

- 1. The name, address, and phone number of any person entitled to use groundwater on the farm unit.*
- 2. Certification that all required BMPs have been implemented during the previous calendar year. Pursuant to A.A.C. R12-15-1013, the person submitting the form shall keep and maintain, for at least three calendar years following the filing of the form, current and accurate records verifying that the BMPs were implemented.*

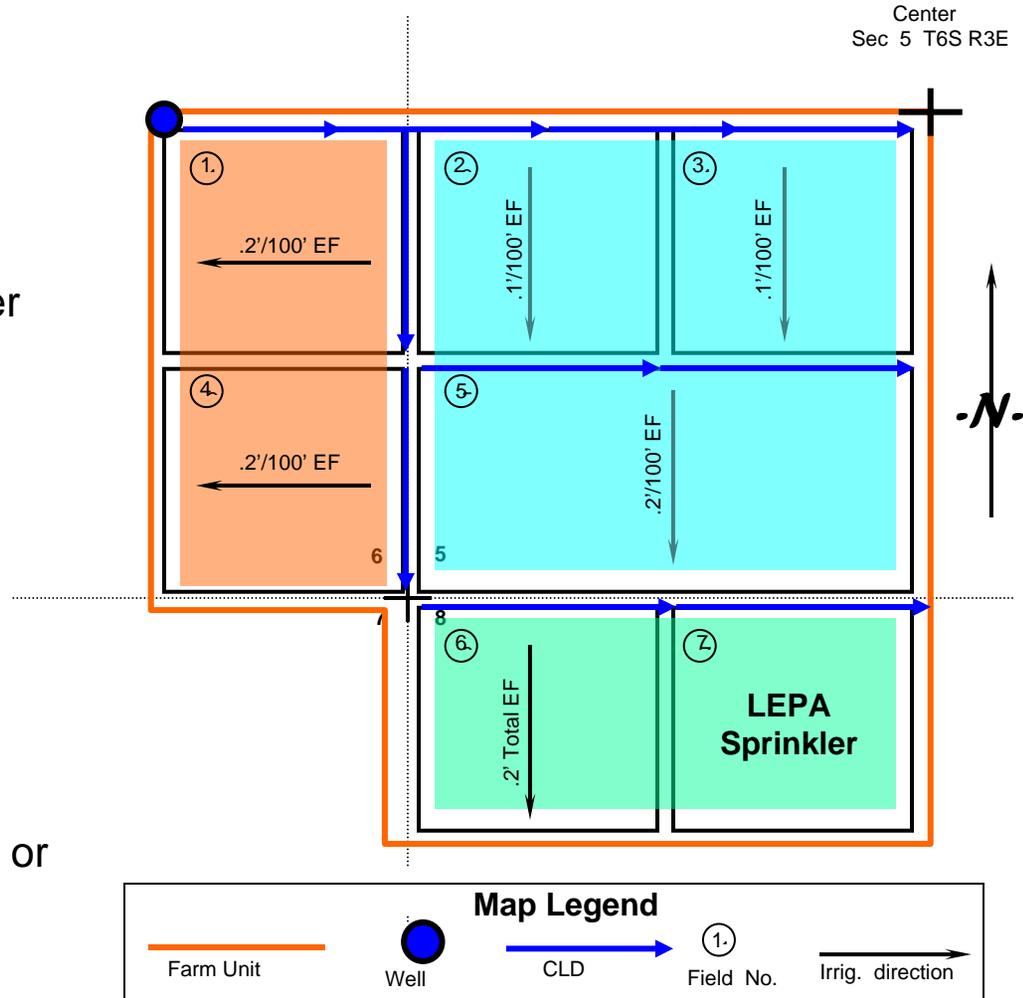
#### **I. Duration of Regulation under BMP Program**

- 1. Except as provided in paragraph 2 of this subsection, after the director approves an application for regulation under the BMP Program, the IGFR owner and any person entitled to use groundwater pursuant to that right shall be regulated under the BMP Program until the first compliance date for any substitute agricultural conservation requirement established in the Fourth Management Plan.*

2. *After the director approves an application for regulation under the BMP Program:*
  - a. *The owner of an IGFR included in the application may file with the director a written request to withdraw from the BMP Program. The director shall grant the request if the owner demonstrates to the satisfaction of the director that both of the following apply:*
    - 1) *The owner of the IGFR desires to lease the land to which the IGFR is appurtenant to a lessee for a term of at least one year, but the owner has been unable to find a lessee willing to be regulated under the BMP Program, after making a good faith effort to find such a lessee.*
    - 2) *The owner of the IGFR has found a person that will lease the land for a term of at least one year if the owner is allowed to withdraw from the BMP Program, and that person did not previously lease the land while the owner was regulated under the BMP Program.*
  - b. *A subsequent owner of the IGFR may file with the director a written request to withdraw from the BMP Program within 90 days after acquiring an ownership interest in the IGFR. The director shall grant the request unless the director determines that the transfer of ownership was made solely for the purpose of circumventing the provisions of paragraph 1 of this subsection, in which case the request shall be denied.*

# Farm Plan Map

- Identify the IGFRs that make up the BMP farm unit
- Annotate the field numbers within the BMP farm unit
- Plot the sources of water and the water conveyance system (include tailwater reuse systems)
- Annotate the direction of irrigation for each field
- Indicate the slope of each field in the direction of irrigation (end-fall)
- Indicate where sprinkler (include type) or drip systems are used



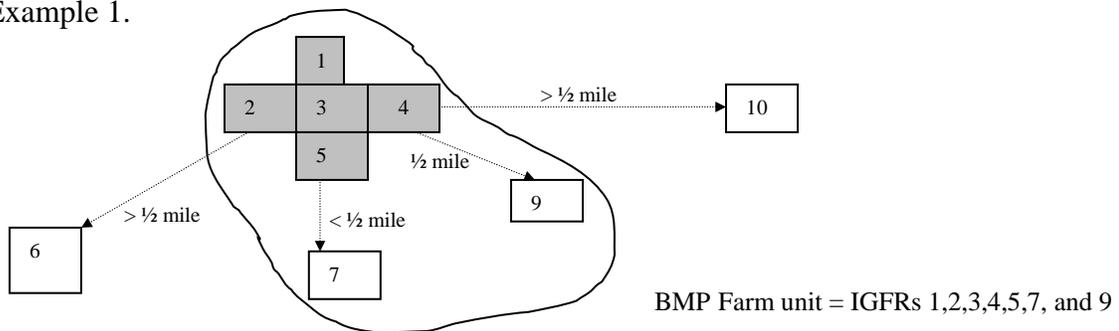
## Farm Units under the BMP Program

For purposes of regulation under the BMP Program "farm unit" is defined in A.R.S. 45-402(11). As further clarification of the requirement that farms (IGFRs) within a farm unit be contiguous or in proximity to each other, the Department will allow one or more contiguous IGFRs with multiple fields having a common water distribution system to be included in the same farm unit. Other IGFRs may also be included as part of the farm unit so long as such IGFRs are located within a half-mile of the fields served by the common distribution system.

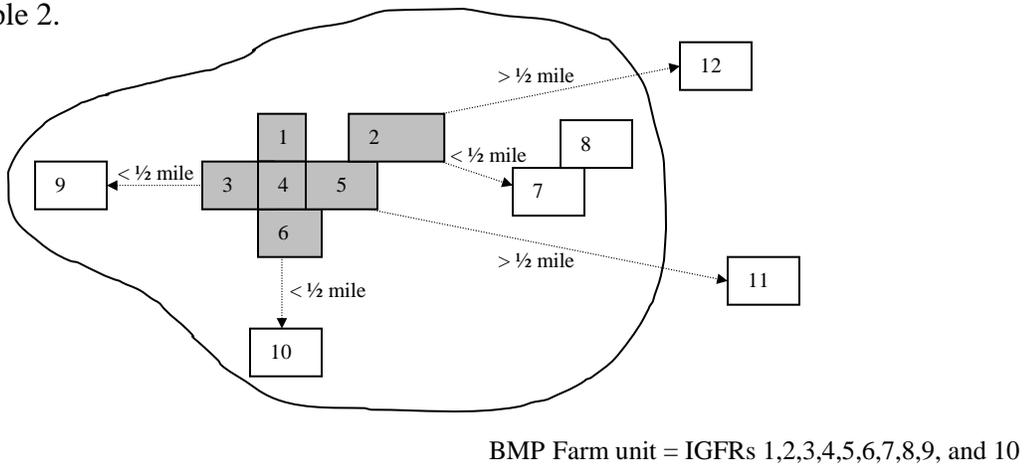
*Note: The director may allow inclusion of an IGFR at a greater distance than a half-mile from the field served by the common water distribution system, if it is determined that by including the IGFR, it better facilitates the implementation of agricultural conservation practices under the BMP Program.*

Selected examples of possible farm units:

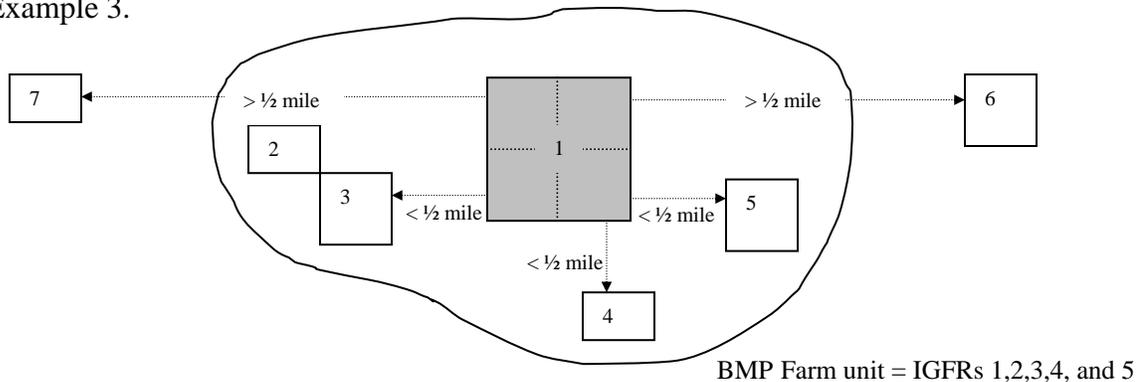
Example 1.



Example 2.



Example 3.



## ADWR

### SUGGESTED METHODS OF EVIDENCING THE ANNUAL APPLICATION OF AGRICULTURAL BMPs FOR BMP PROGRAM ENROLLEES

		Signed statement from Enrollee	Receipts and purchase orders	Agreements	Records, notes, certificates, or maps	Photo confirmation	Possession of specialized equipment	IMS or WCMP Verification
BMP 3.1	Laser touch-up	▲	▲				▲	▲
BMP 3.2	Alternate row irrigation					▲	▲	▲
BMP 3.3	Furrow checks					▲		▲
BMP 3.4	Angled rows					▲		▲
BMP 3.5	Surge irrigation	▲					▲	▲
BMP 3.6	Temporary sprinklers		▲			▲		▲
BMP 3.7	Participation in an educational IWM program			▲	▲			▲
BMP 3.8	Participation in a consultant or I.D. sponsored irrigation scheduling service			▲				
BMP 3.9	Participation in an I.D. program to increase flexibility of water deliveries			▲				
BMP 3.10	Measure flow rates to determine the amount of water applied				▲			▲
BMP 3.11	Soil moisture monitoring				▲			▲
BMP 3.12	Computer-based modeling using meteorological data				▲		▲	▲
	Substitute IWM Practice	--	--	--	--	--	--	--
BMP 4.1	Crop rotation				▲			▲
BMP 4.2	Crop residue management				▲	▲		▲
BMP 4.3	Soil and water quality testing				▲			
BMP 4.4	Pre-irrigation surface conditioning					▲		▲
BMP 4.5	Transplants	▲	▲					▲
BMP 4.6	Mulching		▲			▲		▲
BMP 4.7	Shaping furrow or bed					▲	▲	▲
BMP 4.8	Planting in bottom of furrow					▲		▲
	Substitute Agronomic Management Practice	--	--	--	--	--	--	--

Note: Evidencing requirements for Substitute BMPs will be determined after the BMP is approved by the Director

# **Agricultural BMP Program**

## **Proposed Enforcement Policy for Non-Compliance**

### **Philosophy**

The Department expects BMP Program participants to implement the conservation measures as agreed to on the BMP enrollment form. In the event of non-compliance, the Department's preference for this Interim Program is to work cooperatively with the responsible party (usually the operator) to come into compliance in a timely and appropriate manner. In taking specific compliance action, the Department will consider the following:

- The severity of the infraction
- Whether it is the first, second or third offense
- Whether the infraction was self-reported
- Other reasonable extenuating circumstances

### **Responsible Party**

In situations of non-compliance, the Department will seek to identify who bears responsibility for that non-compliance. The presumptive responsible party for compliance shall be the person or persons using groundwater pursuant to the enrolled rights (i.e., the operator).

### **Actions**

The Department has developed proposed compliance remedies that include informational, educational and water management benefit components. The proposed compliance actions may include:

- Sending a notice of non-compliance to all parties
- Requiring a conservation audit/review
- Requiring 'extra' conservation measures
- Requiring a water management contribution
- De-enrolling the participant from the BMP Program for the duration of Third Management Period.

The Department also reserves the right to pursue civil penalties against the responsible party if the non-compliance is both serious and intentional.

# BMP Program Field Fallowing Agreement

My farm unit under BMP Application Number \_\_\_\_\_ did not meet the minimum point requirements under Category 2 Farm Irrigation Systems. The farm unit consists of the following IGFRs.

58-_____.	58-_____.
58-_____.	58-_____.
58-_____.	58-_____.

*If more than six IGFRs list them on the back of the this sheet*

This farm unit made up of the above referenced IGFRs did not qualify for the BMP Program due to the following fields that are highlighted on the attached Farm Plan Map.

As part of my application for the BMP Program, I agree to the following:

1. That the fields highlighted on the attached Farm Plan Map (“highlighted fields”) will not be included when calculating the qualifying points for enrollment of the farm unit in the BMP Program pursuant to this application.
2. That if this application is approved, I will fallow (not irrigate) the highlighted fields while the farm unit is regulated under the BMP Program in the Third Management Plan, except as provided in paragraph 3 below.
3. That if any of the highlighted fields are physically improved while the farm unit is regulated under the BMP Program in the Third Management Plan, I may apply to the director for a modification of the BMP Program requirements for the farm unit to include the improved field or fields, but I shall not irrigate the field or fields unless the director approves the application.
4. That if any of the highlighted fields are irrigated while the farm unit is regulated under the BMP Program in the Third Management Plan, the irrigation will constitute a major violation of the BMP Program and shall result in a compliance action, unless the director approved an application to include the field or fields in the BMP Program pursuant to paragraph 3 above.

*The individual or entity applying for entrance in the BMP Program must sign and date this following agreement below. By signing this agreement, the individual or entity certifies that they have read this agreement and will comply with its terms during the time the farm unit is regulated under the BMP Program in the Third Management Plan.*

\_\_\_\_\_  
Name (Please Print)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date