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## APPENDIX G: RECOMMENDATIONS OF THE UC COOPERATIVE EXTENSION

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### **Potential BMPs for silt reduction in Imperial Valley drains, New River, & Alamo River**

Compiled by UCCE-Imperial County (Bali & Guerrero)

#### **Polyacrylamide (PAM)**

Publications:

- Polymers check furrow erosion, help river life. *California Agriculture*. 1993.
- Other scientific publications available.

#### **Runoff reduction & irrigation management**

Publications:

- Field evaluation helps calculate irrigation time for cracking clay soils. *California Agriculture* 1994.
- Other scientific publications available.

#### **Filter strips/grass waterways**

Publication:

- BMPs for water quality- CTIC-National Association of Conservation Districts

#### **Irrigation management (irrigation scheduling, CIMIS, etc)**

Publication:

- Water Conservation: The Potential-UCCE

#### **Runoff recovery systems, drop boxes, & economic incentives to reduce runoff**

- IID

#### **Pressurized irrigation systems (Drip, Sprinklers, etc)**

Publications:

- Low-Volume irrigation- UCCE
- Drip irrigation for row crops- UCCE
- Micro-irrigation of trees and vines- UCCE

#### **Surge irrigation**

Publication:

- Surge Irrigation: A handbook for water management- UCCE

#### **Conservation tillage practices**

Publication:

- Sediments and water quality-UCCE

#### **Design & management of surface irrigation (basin, furrow, border)**

- Surface irrigation-UCCE
- BORDER-USDA-ARS
- BASIN-USDA-ARS

#### **Field practices to reduce runoff (furrow dikes, cross-checks in border strips, land leveling, etc.)**

Information about sediments and water quality:

#### **Sediments and Water Quality (slide set & video)- UCCE**

Outlines practices for controlling erosion, including conservation cropping, conservation tillage, the use of cover crops, and irrigation management. Also outlines practices for controlling sediments

UCCE Publications website: <http://danr.ucop.edu/publications.htm>