

# **Provincial Nutrient Management Advisory Committee**

**Water Environment Association of  
Ontario**

**Wayne Caldwell, Chair**

**February, 2004**

# Outline of Presentation

- **Context**
- **Scope of advisory committee's work**
  - **Regulatory issues**
  - **Cost share program**
  - **Phase-in**
- **Committee governance & relation to public service**

# Things Not To Say To A Police Officer

- **Hey, you must have been doin' about 125 mph to keep up with me. Good job!**
- **Aren't you the guy from the village people?**
- **I thought you needed to be in relatively good physical condition to be a police officer.**
- **You're not gonna check the trunk, are you?**
- **Gee, Officer! That's terrific. The last officer only gave me a warning, too!**
- **Sorry, Officer, I didn't realize my radar detector wasn't plugged in.**

**What are some of the key issues that  
have lead to the  
Nutrient Management Act?**



# Changes in the countryside and changes in agriculture...



# Changing composition of the countryside



# ↑ Environmental Awareness



# Change in Agriculture



A photograph of several piglets lying together on a light-colored surface. The piglets are pink and white, with some showing darker spots. They are clustered together, and their heads are visible. The background is a soft, out-of-focus light color.

# Trends in Agriculture

- **Increasing Size & Scale of Production**
- **Specialization**
- **Efficiencies of Production**

# Trends in Agriculture

- **Farming as Business**
- **International Market Place**
- **Change in the family farm**



# One of agricultures challenges: **Perception vs. Reality**

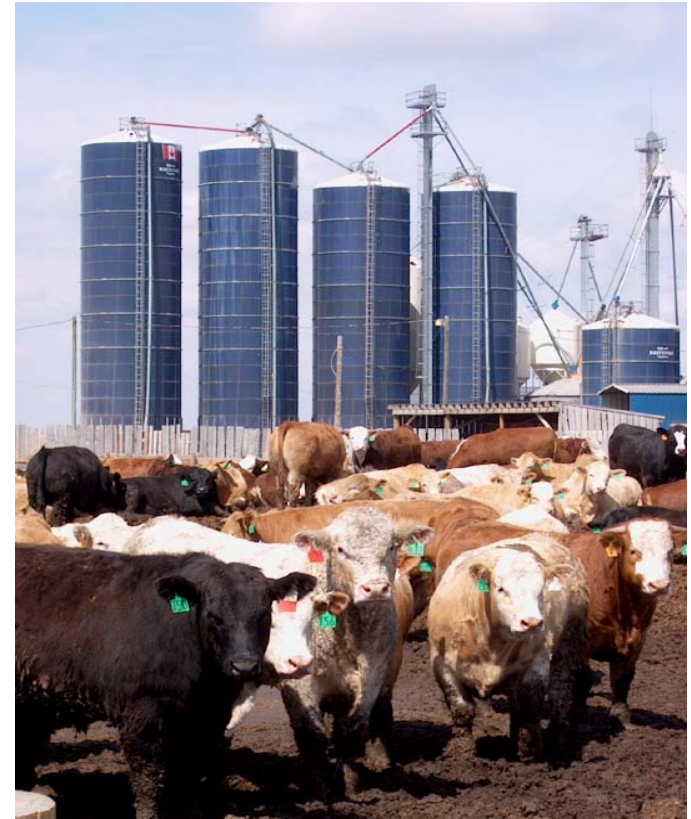


Source: Grace Factory Farms Project  
[www.factoryfarms.org](http://www.factoryfarms.org)

## *Key Myths*

### *Myth*

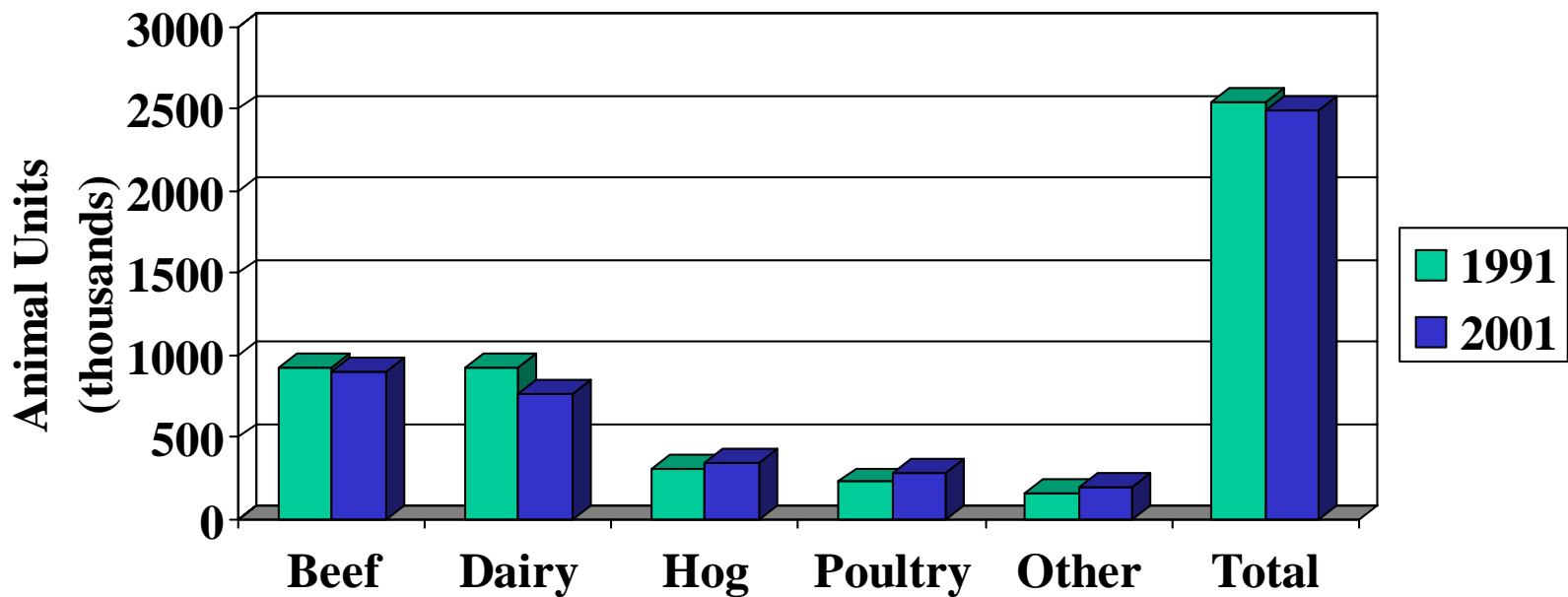
**There is significantly more livestock in Ontario today than 10 years ago**



### *Fact*

**Livestock numbers decreased slightly from 1991-2001 & by nearly 25% from 1981-2001**

# Distribution of Livestock, 1991 and 2001



## **Key Myths**

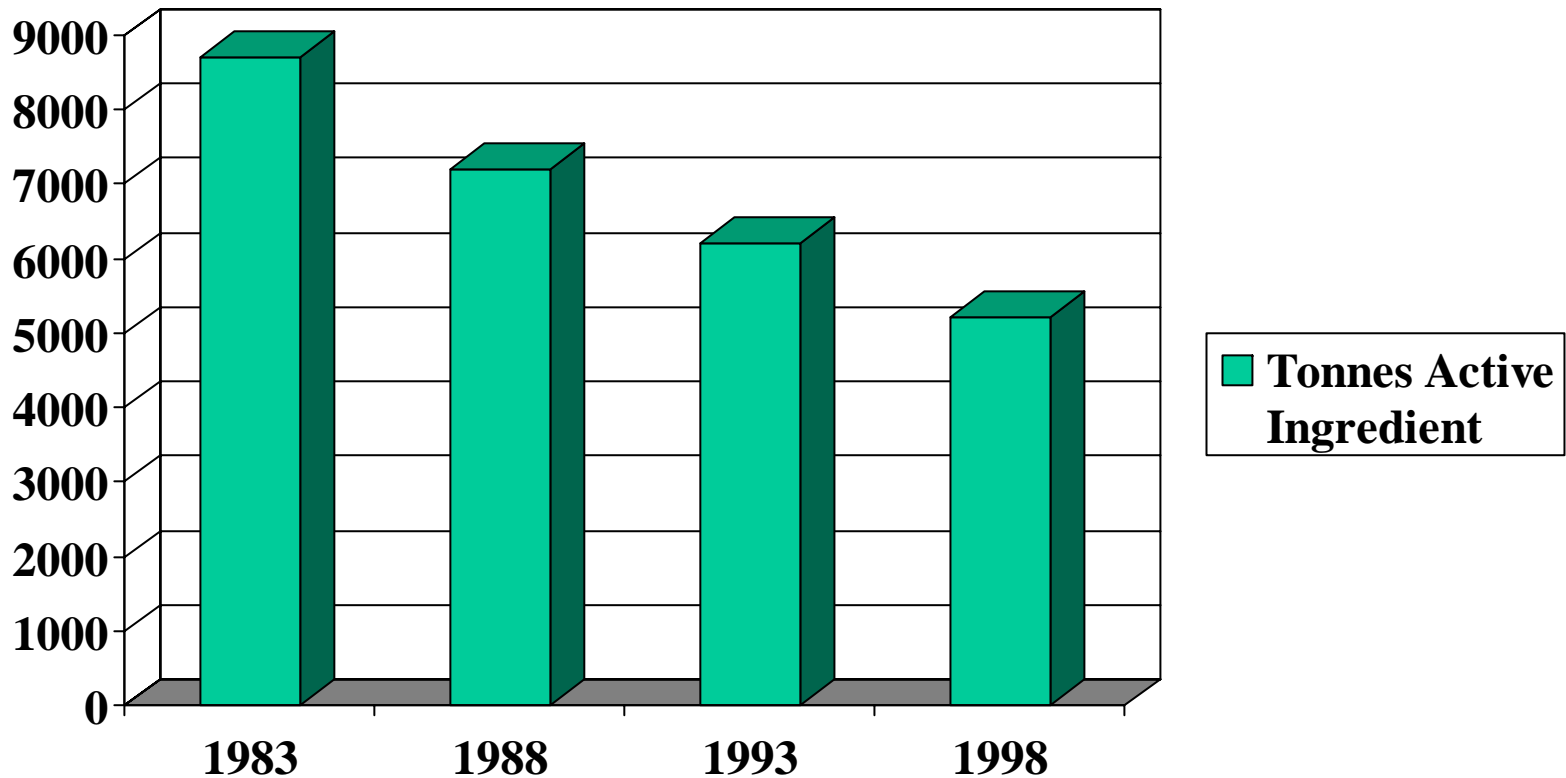
### **Myth**

**Pesticide use on farms continues to increase.**

### **Fact**

**Newer herbicides are used at grams per acre, replacing products which used kilograms per acre**

# Use of Pesticides in Ontario (Active Ingredient) (1983-1998)



## *Key Myths*

### *Myth*

**The use of commercial fertilizers continues to increase.**

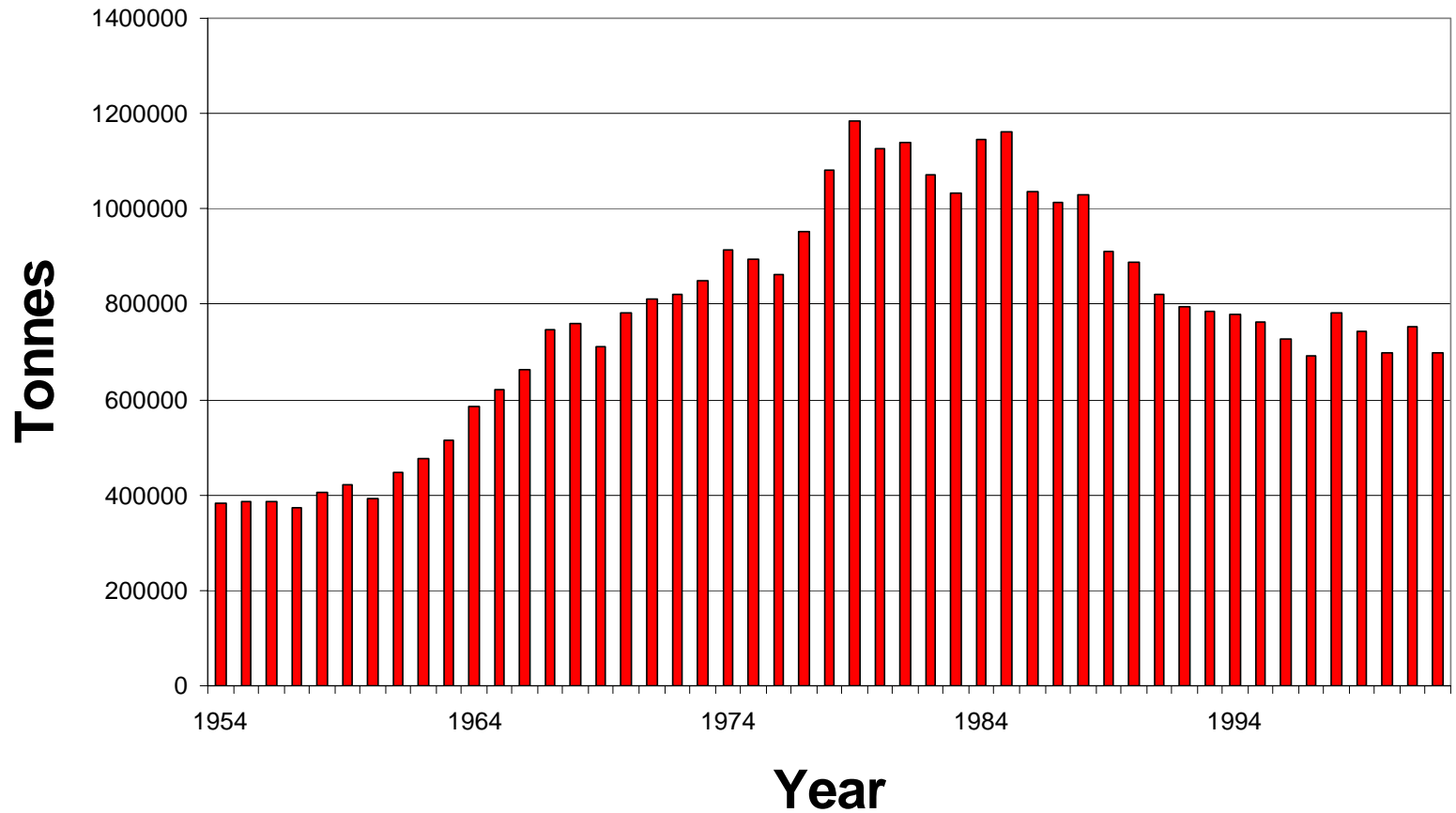


### *Fact*

**Fertilizer use has dropped sharply since the mid 70's and 80's**

# Ontario Fertilizer Tonnage 1954 - 2002

(Nitrogen, Phosphorous & Potassium )



# Scrambled Communication

- **In a Bangkok dry cleaner's:**  
“Drop your trousers here for best results.”
- **In a Norwegian cocktail lounge:**  
“Ladies are requested not to have children in the bar.”
- **In a Budapest zoo:**  
“Please do not feed the animals. If you have any suitable food, give it to the guard on duty.”
- **In a Copenhagen airline ticket office:**  
“We take your bags and send them in all directions.”
- **In a Yugoslavian hotel:**  
“The flattening of underwear with pleasure is the job of the chambermaid.”

# **So... Why Establish the Provincial Nutrient Management Advisory Committee**

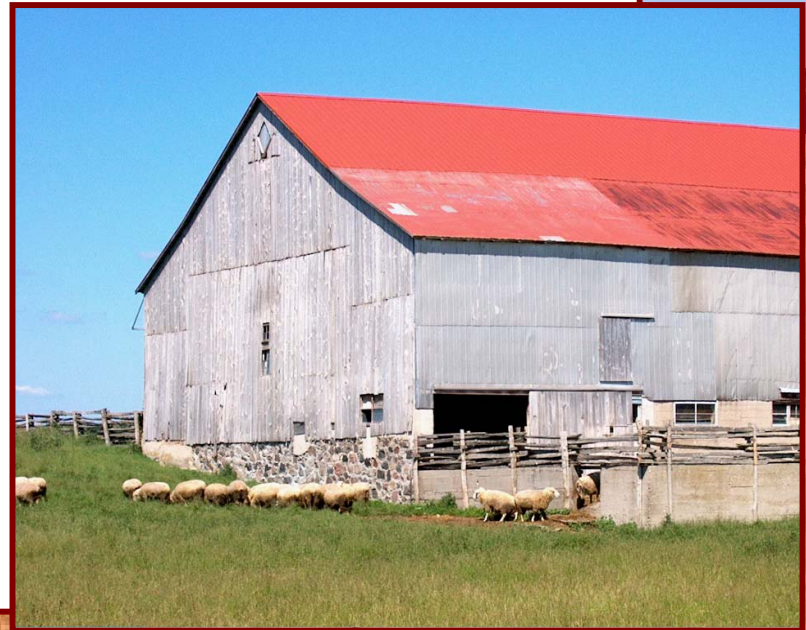
- **Issues requiring broad based input**
- **Bring different perspectives to the table**
- **Work towards consensus**
- **Provide advice to the Government**

# Context

- **Committee announced March 21, 2003**
- **Members announced June 30, 2003**
- **20 members from farm, municipal, environmental & academic communities**
- **Announced same day as regulation & proclamation**
- **Met 4 times in 2003**
- **Monthly meetings are scheduled throughout 2004**

# **Broad range of stakeholders on the 22-member advisory committee**

- **Scientific and academic community**
- **Environmental community**
- **Farm organizations**
- **Crop industry**
- **Livestock Industry**
- **Agribusiness**
- **Rural Municipalities**



# Scope of Committee Work

- **Regulatory issues in three categories of priority**
- **Aspects of future cost-sharing program**
- **Phase-in issues for other types of farms**
  - after main regulatory issues addressed
- **Report after each set of issues addressed**

## *The Committee will examine several issues*

The Committee has a 2 year workplan with the first recommendations to be presented to the government in early 2004



# Priority 1 Issues include:

- **Manure storage standards for existing operations**
- **Decommissioning of manure storages**
- **Manure application on tile drained land**
- **Manure haulage, brokers and transfers**
- **Dead animal disposal**
- **Rationalize EPA & NMA approvals (on-farm composting & farm-related wastes)**

**Priority 1 Regulatory Issues  
are to be reported on by early  
2004**



## **Priority 2 Issues include:**

- **On-farm washwater**
- **Depth of soil to groundwater**
- **Standards related to capture zones for municipal wells (construction, land application, approvals)**
- **Winter spreading requirements for pulp & paper sludge**
- **Manure on shallow soils**

**Priority 2 Issues are to be  
reported on by  
late 2004**



## **Priority 3 Issues include:**

- **Odour management setbacks and standards**
- **Seasonal outdoor feeding areas**
- **Livestock access to waterways**
- **Manure composting and digesters**

**Priority 3 Issues  
are to be reported on  
by mid- 2005**



# **Committee Role in Cost-Share Program Development**

- **Specific scope for recommendations on cost-sharing program**
- **Assessment of role & merits of different financial instruments (e.g. grants, tax credits, loans)**
  - **Currently under review**
- **Types of practices & technologies that might be covered by cost sharing**
  - **Review early 2004**

# Phase-in

- **To be addressed after regulatory issues & cost-share program**
- **Examine issues regarding phase-in of other types of agricultural operations**
  1. **Other Existing Livestock Farms**
  2. **Other Types of Farms & Agricultural Operations**
- **Government to consult before each group phased in**
- **Begin this work late 2005 or 2006**

# Timing of Committee Reports

<b>Timing</b>	<b>Issue</b>
<b>Early 2004</b>	<b>Priority 1 regulatory issues</b>
<b>Early 2004</b>	<b>Assessment of financial instruments for cost-sharing program</b>
<b>Late 2004</b>	<b>Priority 2 regulatory issues</b>
<b>Early 2005</b>	<b>Assessment of possible practices &amp; technologies eligible for cost-sharing program</b>
<b>Mid-2005</b>	<b>Priority 3 regulatory issues</b>
<b>After 2005</b>	<b>Phase-in Issues for other types of farms</b>

# Committee Governance

- **Joint OMAF & MOE appointments**
- **Chair & Vice-Chair**
- **Supported by secretariat**
  - **Resources Management Branch, OMAF**
  - **Waste Management Policy Branch, MOE**
- **Government technical working groups on issues**
- **Stakeholders identify experts to provide input into technical analysis**

# Process for Analyzing Issues

- **Technical working groups develop options and proposals**
  - MOE & OMAF staff
- **Stakeholders identify experts to provide input**
- **Presentation of proposals/options to Committee**
- **Discussion and recommendation at following meeting**

# Committee Reports

- **Reports submitted to Ministers**
- **Evaluation of recommendations**
- **Cabinet consideration**
- **Reports released for consultation**
- **Drafting of amendments to regulation (for regulatory issues)**
- **Consultation on draft amendments to regulations (for regulatory issues)**

# Next Steps

- **Have a two-year work plan**
- **Address Priority 1 issues**
- **Financial Instruments for cost-share**
- **Monthly Meetings**



Questions?

