

## IMPACT-P(NA)

U.S. Pat. 6,017,525

### “The Litter Vaccine”

IMPACT-P(NA) is a natural biological litter management product. It is a patented method of application for the kinds of bacteria that digest chicken manure and improve the growing environment.

Users of IMPACT-P(NA) will normally see some or all of the following benefits:

Better feed conversions	Reduced condemnations
Better weight gains	More weight and better settlements
Healthier birds	Reduced ammonia levels
Reduced mortality	Longer useful litter life
Improved litter quality	

<b>Q. Why is IMPACT-P(NA) called “The Litter Vaccine?”</b>
A. Just as vaccinating birds with live or attenuated organisms helps prevent disease, adding IMPACT's live beneficial bacteria to litter environments helps prevent disease and stress by crowding out - <i>competitively excluding</i> - disease causing bacteria.
<b>Q. I've heard IMPACT cures dermatitis. Is this true?</b>
A. No. However, IMPACT-P(NA) used where dermatitis is an issue has been reported to improve performance to the point where there has been no dermatitis break. This is not because IMPACT-P(NA) kills dermatitis but rather that the high number of IMPACT bacteria crowd out other bacteria making the exposure less acute.
<b>Q. How does IMPACT improve litter?</b>
A. Used as directed IMPACT-P(NA) actually composts manure in place, reducing volume, creating heat, and drying litter. Nitrogen and Phosphorous are stabilized. Consistent use leaves moisture content less than 24%, litter is more absorbent, more porous and “fluffy” so more air moves through it, less crust and cake for less offensive odor, reduced fecal solids and greatly reduced pathogen load. IMPACT-P(NA) can greatly extend useful litter life.

**Impact Poultry Products /  
Environmental Dynamics, Inc.**

3142 Mercer University Drive, Macon, GA 31204  
800-448-4723 • [impactpoultryproducts.com](http://impactpoultryproducts.com)

## IMPACT Program with IMPACT-P(NA)

for  
Diseased or Poorly Performing  
Poultry Houses



Poultry house rehabilitation by deep  
penetration floor cleansing.

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## Application Chart

House size In sq. ft.	IMPACT-S Penetrant gallons	Water gallons	IMPACT-S Activator gallons	Water gallons
10,000 or less	1	800-1000	3	250-350
10,000 - 14,000	1.5	1,000-1,200	4	300-400
14,000 - 16,000	2	1,200-1,400	5	400-500
16,000 - 20,000	3	1,400-1,800	6	500-600
22,000 - 25,000	3	1,500-2,000	8	600-700

**The IMPACT PROGRAM is a deep penetration floor cleansing program that can be applied by your dealer or its contractor(s) in your area.**

**Growers may opt to purchase the materials to treat the poultry house using their own labor. Growers choosing to do their own work should carefully review the directions provided and adapt the concentrations of reagents to the capacity of the spray equipment that will be used.**

**If there is no IPP/EDI dealer in your area, please call Environmental Dynamics, Inc. at 800-448-4723 to discuss your requirements.**

### LIFETIME REAGENTS PROGRAM

Impact Poultry Products / Environmental Dynamics, Inc. (EDI) will provide free reagents for the IMPACT PROGRAM for as long as the grower continues to maintain flocks using IMPACT-P(NA). So long as the grower uses IMPACT-P(NA) on all intervening flocks, if for any reason there is a need to retreat the floor pads with the IMPACT PROGRAM, EDI will provide the IMPACT-S Penetrant and the IMPACT-S Activator for only the cost of transportation. Reasons for retreatment can be development of disease conditions or as insurance against deterioration of performance after regularly scheduled cleanouts. All that is required to participate is maintenance of evidence (such as invoices, etc) of IMPACT-P(NA) use on house litter for all flocks subsequent to the initial IMPACT PROGRAM treatment.

## IMPACT PROGRAM Directions

1. Best results are obtained with THOROUGH, complete litter clean out.
2. READ AND FOLLOW ALL SAFETY INSTRUCTIONS. YOU ARE WORKING WITH AN EXTREMELY STRONG ACID
3. USER MUST WEAR FACE AND EYE PROTECTION, PREFERABLY A FULL-FACE SHIELD, WHEN MIXING AND APPLYING ACID BASED MATERIALS. USER MUST WEAR RUBBER GLOVES WHEN MIXING AND APPLYING ACID BASED MATERIALS. IN CASE OF CONTACT OF SKIN OR EYES WITH ACID BASED MATERIAL IMMEDIATELY FLUSH AREA WITH CLEAN, COOL WATER FOR AT LEAST 15 MINUTES.
4. Mix IMPACT-S at the rate of 1 Gal/500 Gals of water and apply mixture evenly throughout house. A second pass adding an additional 500 – 1000 gallons of water should be made adding 1 more gallon of IMPACT-S. Floors should be very visibly wet and even puddled with liquid after application of IMPACT-S penetrating reactant mixture.
5. Mix 1-gallon Acid activator with 100 gallons of water for each 3,500 square feet, or part thereof (see Application Chart). Apply mixture evenly throughout house. EXERCISE ALL REQUIRED SAFETY PROCEDURES WHEN USING ACID.
6. When house is thoroughly dry apply fresh litter in normal manner.
7. Apply IMPACT-P(NA) with broadcast spreader. Use 20 lb. of IMPACT-P(NA) for houses between 16,000 to 22,000 square feet.

I have read and understand the safety requirement of this application procedure and agree to follow said procedures. I release Environmental Dynamics, its agents and employees of any liability for damages or injuries occurring through the misuse of the IMPACT PROGRAM or the materials used in the application of the IMPACT PROGRAM.

Accepted by \_\_\_\_\_ Date \_\_\_\_\_  
(signature)

Print name \_\_\_\_\_

Address: \_\_\_\_\_

Phone number: \_\_\_\_\_

Email: \_\_\_\_\_

*This page must be completed, signed and returned to Impact Poultry Products / Environmental Dynamics, Inc. 3142 Mercer University Drive, Macon, GA 31204 or emailed to: [info@impactpoultryproducts.com](mailto:info@impactpoultryproducts.com). After receiving this form, our staff will contact you to complete your order.*

# IMPACT PROGRAM Results

## Northwest Arkansas Integrator Contract Farms

Three contract growers experiencing dermatitis applied Floor Treatment Process and followed up for two subsequent flocks with IMPACT-P(NA) litter treatment. Results were measured versus previous 6 flock average experience for the farms.

Flock	Grower #1	Grower #2	Grower #3
<b>1st (Floor)</b>	+99 points	+146 points	+94 points
<b>2nd P(NA)</b>	+79 points	+146 points	+115 points
<b>3rd P(NA)</b>	+117 points	+131 points	+122 points

### Total 3 Flock

**\$\$ benefit      \$6,350.63      \$11,496.07      \$8,747.28**

### Northwest Arkansas Integrator Company Owned Farm

Eight house farm comparing increased pay per pound to its previous 6 flock average pay per pound.

	6 Flock \$/lb average pay = \$0.285 per pound increase / lb	cumulative net increase
1st Flock	+ 0.0055 / lb	- \$ 182.00
2nd Flock	+ 0.0041 / lb	+ \$ 2,686.92
3rd Flock	+ 0.1110 / lb	+ \$ 6,573.13

### North Georgia Grower: 1 year case study of economic improvement from 6 flock IMPACT Program

Three of four houses having dermatitis problems were cleaned to ground and treated with the IMPACT Program process followed by IMPACT-P (NA) for 5 subsequent flocks.

Total yearly earnings for the 6 previous flocks	\$ 92, 958
Total gross earnings from the 6 Program flocks	\$ 108,510
Total cost for treating 6 flocks	\$ 4,650
Net Gain in earnings from IMPACT Program	<b>\$ 10,902</b>

The **IMPACT PROGRAM** rehabilitates poorly performing poultry houses. For a good manager poor performance is frequently caused by low-level disease processes that flourish in litter. At times these diseases can grow to full blown outbreaks of poultry diseases such as dermatitis and enteritis.

The **IMPACT PROGRAM** helps control this type of problem. The **IMPACT PROGRAM** “cleans” the poultry house of pathogens that live deep in the floor pad and threaten to reintroduce diseases into new bird populations through normal bird activity.

The deep penetrating action of the **IMPACT PROGRAM** - with its special combination of soaking agents and activators - eliminates up to 98% of all micro-organisms (including most disease-causing pathogens) up to 1/2” below the surface.

Once the poultry house is “cleaned” and fresh bedding is added, the new litter is immediately populated with enormous numbers of **IMPACT-P(NA)**'s beneficial microbes. The microbes in **IMPACT-P(NA)** - **all naturally occurring and safe for birds** - aggressively populate the new litter, crowding out any newly introduced pathogenic microbes. **IMPACT-P(NA)** bacteria are excellent organic waste degraders and compost new poultry manure in place, stabilizing N and P resulting in notable ammonia reduction for the flock's entire growout. The superior litter condition maintained by **IMPACT-P(NA)** greatly extends useful litter life.

Continued use of **IMPACT-P(NA)** will give you the very best opportunity to avoid future disease problems and provide an exceptional environment for your birds to thrive. You can expect to move up in your grower group settlement placement and earn more dollars with each flock.



## View of a well-prepared floor

This 20,000 sq. ft. floor area has been soaked with 1,500 gallons of water to which 3 gallons of IMPACT-S Penetrant was added. Note the complete soaking and even puddling in lower areas.

*Hint:* When treating multiple houses prepare 2 houses with IMPACT-S Penetrant and then apply the IMPACT-S Activator in an additional 500-600 gallons of water to first house. Then repeat the IMPACT-S Activator application for the second house (see Application Chart for quantity recommendations)

If excess litter remains, complete floor coverage may not be achieved or large amounts of water will be necessary to completely soak into the floor pad.

Using more water may dilute the treatment compromising effectiveness and will require a longer drying time before placing new litter.

